Carrier
TRANSICOLD

Trailer Refrigeration Unit

Phoenix Ultra
NDA-93A
NDA/M-94A

Phoenix Ultra XL
NDA/M-94D

SERVICE PARTS LIST

62-02462-03

Carrier
TRANSICOLD

Service Parts List
ULTRA NDA-93A/94A/94D/NDM-94A/94D
NOSEMOUNT
TRAILER REFRIGERATION UNIT

CONTENTS

Introduction i
Ordering Instructions i
General Notes i
1. Quick List – Clamps, Filters, Fuses, Ty-raps, V-belts, & Wire Terminals 1
2. Door And Grille Assemblies 2
3. Door Latches 5
4. Back Panel And Grille – Prior To S/N DAF90208950 6
5. Back Panel And Grille – Starting With S/N DAF90208950 7
6. Evaporator Assembly 8
7. Refrigeration Components 10
8. Clutch Assembly – NDM Only 13
9. Drive Assembly 14
10. Standby Motor And Idler – NDM Only 17
11. Condenser And Fan Shaft Assembly 18
12. Fuel Pump And Tank 20
13. Fuel Filter 22
14. Oil Filter And By-pass Oil Filter Assemblies 23
15. Microprocessor Assembly – Prior To S/N CAY90178292 24
16. Microprocessor Assembly – Starting With S/N CAY90178292 26
17. Relay Box Assembly – Prior To S/N DAF90209264 28
18. Relay Box Assembly – Starting With S/N DAF90209264 29
19. STandby Box Assembly – 230 Volt 30
20. Standby Box Assembly – 380 Volt 31
21. Standby Box Assembly – 200 & 230 Volt Phase Reversal 32
22. Standby Box Assembly – 380 Volt Phase Reversal 33
23. Coolant System 34
24. Clutch/Gearbox Assembly 36
25. Clutch Assembly 37
26. Alternator Section And Related Components 38
27. Alternator (Bosch) 40
28. Engine Exhaust System 41
29. Air Filter Assembly 42
30. Solenoid Valves 43
31. Thermostatic Expansion Valve 44
32. Indicating Lamp Bar 44
33. Battery Box 45
34. Decals And Wire Harnesses 46
35. Noise Reduction 48
36. Datalink 49
37. Interrogator 49

UNITED TECHNOLOGIES CARRIER TRANSICOLD

Carrier Transicold Division, Carrier Corporation, P.O. Box 4805, Syracuse, N.Y. 13221

Carrier Transicold E.T.O Boite Postale Nr. 16 Franqueville-Saint-Pierre 76520 Boos, FRANCE

© Carrier Corporation 1995 • Printed in U. S. A. 0895

INTRODUCTION

This parts list identifies service replacement parts for the Carrier Transicold Model NDA-94 trailer refrigeration unit listed in the table below. This parts list does not include detailed replacement parts for the engine and compressor listed in the second table below. Detailed parts identification for these items may be found in the applicable parts list. The form numbers for the engine and compressor omit revision dash numbers. For example, the latest compressor list may have an -02 added to the basic number to read 62-03181-02. Therefore, when forms are ordered the latest revision will be sent.

MODEL CHART

Model	Name	Refrigerant	Compressor	Standby Motor	Engine
NDA-93A	Phoenix Ultra	R-404A	05G41	–	V2203-TVCS
NDA-94A	Phoenix Ultra	R-22	05G41	–	V2203-TVCS
NDA-94A EURO	Phoenix Ultra	R-22	05G37	–	V2203-TVCS
NDA-94D	Phoenix Ultra XL	R-22	05G41	–	V2203-DI
NDM-94A	Phoenix Ultra	R-22	05G37	230, 60 hz	V2203-TVCS
NDM-94D	Phoenix Ultra XL	R-22	05G37	230, 60 hz	V2203-DI
NDM-94A EURO	Phoenix Ultra	R-22	05G37	380, 50 hz	V2203-TVCS

Component	Form No.
CT4-134TV Engine and Starter	62-03459
CT4-134DI Engine and Starter	62-03459
Compressor (Carrier 05G)	62-03181

ORDERING INSTRUCTIONS

All orders and inquiries for parts must include: Unit Serial Number, Part no., description of part as shown on list and quantity required. Address all correspondence for parts to the following address:

CARRIER TRANSICOLD DIVISION
Replacement Components Group, TR-20
P.O. Box 4805, Syracuse, NY 13221

or

CARRIER TRANSICOLD E.T.O.
Service plèces de rechange
Franqueville-Saint-Pierre B.P. 16
76520 BOOS – FRANCE

GENERAL NOTES

To find replacement parts, determine major group in which replacement part is located, consult table of contents for the appropriate page for the illustrated breakdown of the replacement part. The following letter designations are used to classify parts throughout this list.

A/R *As Required.*

NLO *No Longer Offered.*

NS *Not Shown in the illustration.*

NSA *Non-Stock Assembly* – order components listed under the assembly.

NSI *Non-Stock Item* – may be available on special order.

NSS *Not Sold Separately* – order next higher assembly or kit.

P-- *Suffix P--* added to part number means part is available in packaged quantity only. Example: P/N34-00373-01P10 is a package of 10 P/N 34-00373-01. Use part number and P-- suffix when ordering.

PL *Purchase Locally.*

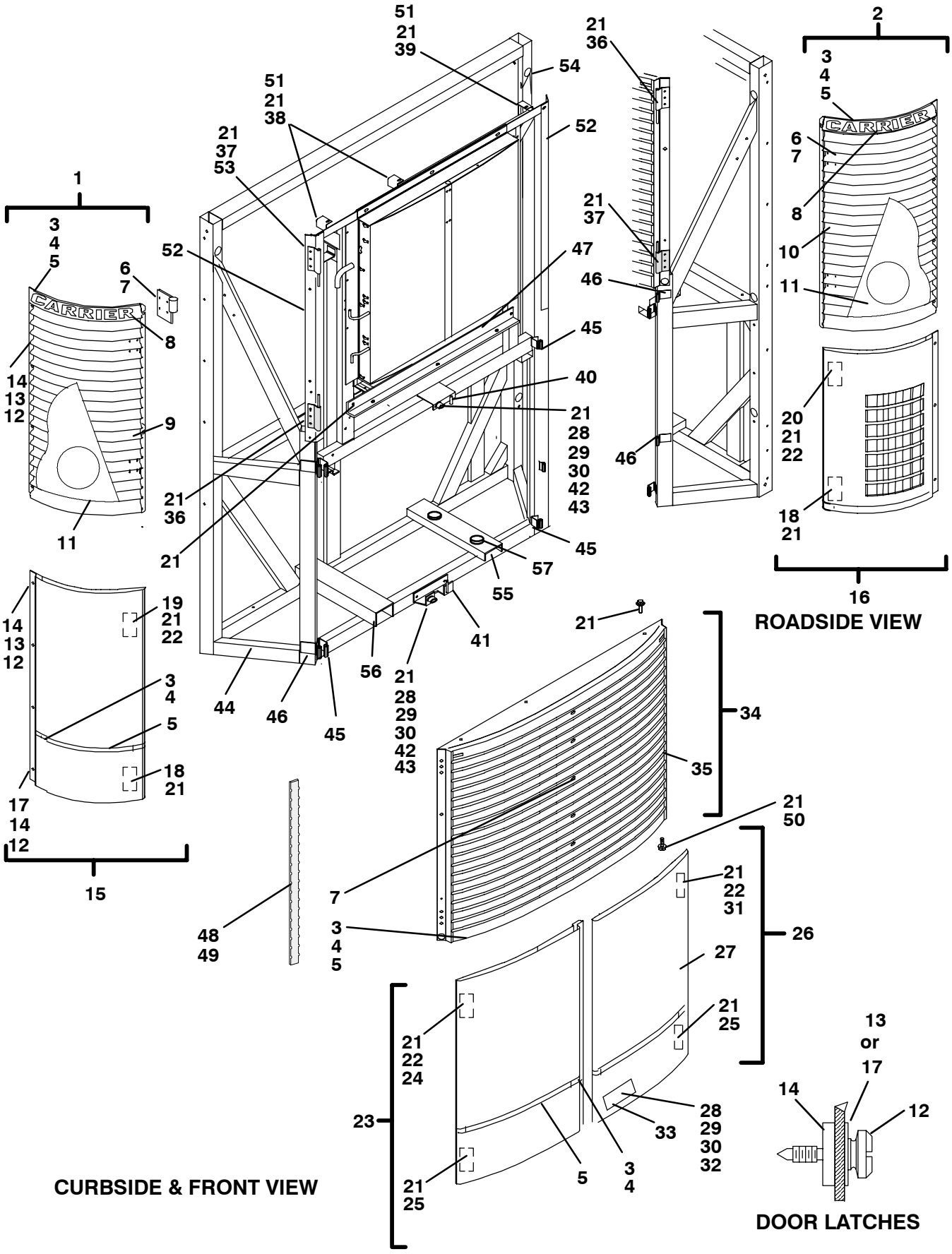
SST *Stainless Steel* – 300 Series unless otherwise specified.

SV *Suffix SV* – added to part number designates service replacement part.

PART NO.	DESCRIPTION
1. QUICK LIST -- CLAMPS, FILTERS, FUSES, TY-RAPS, V-BELTS, AND WIRE TERMINALS	
34-00373-51P10	Clamp, Tube, 1/4 – SST
34-00373-53P10	Clamp, Tube, 3/8 – SST
34-00373-05P10	Clamp, Tube, 1/2 – SST
34-00373-07P10	Clamp, Tube, 5/8 – SST
34-00373-59P10	Clamp, Tube, 3/4 – SST
34-00373-11P10	Clamp, Tube, 7/8 – SST
34-00373-65P10	Clamp, Tube, 1-1/8 – SST
34-00373-67P10	Clamp, Tube, 1-1/4 – SST
34-00373-69P10	Clamp, Tube, 1-3/8 – SST
34-00373-71P10	Clamp, Tube, 1-1/2 – SST
44-00045-25P05	Clamp, Worm, Range – 3/16 to 5/8 OD – SST
44-00045-06P05	Clamp, Worm, Range – 3/8 to 3/4 OD – SST
44-00045-01P05	Clamp, Worm, Range – 1/2 to 15/16 OD – SST
44-00045-03P05	Clamp, Worm, Range – 13/16 to 1-3/4 OD – SST
44-00045-04P05	Clamp, Worm, Range – 1-9/16 to 2-1/2 OD – SST
22-00066-01P25	Connector, Butt End, Wire Range – 22 to 16 Gauge
22-00066-02P25	Connector, Butt End, Wire Range – 16 to 14 Gauge
22-00066-03P25	Connector, Butt End, Wire Range – 12 to 10 Gauge
22-00041-00P25	Connector, Closed End, Wire Range – 22 to 14 Gauge
22-00041-02P25	Connector, Closed End, Wire Range – 18 to 10 Gauge
14-00209-00P10	Filter-Drier – High Moisture Capacity – Case of 10
30-00323-00P12	Filters, Lube Oil – Full Flow – Case of 12
30-00304-00P12	Filters, Lube Oil Bypass – Case of 12
30-01079-01P12	Filters, Fuel – Case of 12
30-01090-00P12	Filters, Fuel – Case of 12
22-02336-02P05	Fuse – 5 amp
22-02336-08P05	Fuse – 7.5 amp
22-02336-04P05	Fuse – 10 amp
22-02336-06P05	Fuse – 15 amp
22-02336-01P05	Fuse – 20 amp
22-02336-05P05	Fuse – 25 amp
22-02336-09P05	Fuse – 80 amp
22-01140-01P25	Ring Terminal, #6, Wire Range – 12 to 10 Gauge
22-01140-02P25	Ring Terminal, #10, Wire Range – 12 to 10 Gauge
22-01140-04P25	Ring Terminal, 3/8, Wire Range – 12 to 10 Gauge
22-00119-04P25	Ring Terminal, 1/4, Wire Range – 12 to 10 Gauge
22-00120-04P25	Ring Terminal, #10, Wire Range – 16 to 14 Gauge
22-00120-07P25	Ring Terminal, 5/16, Wire Range – 16 to 14 Gauge
22-00121-07P25	Ring Terminal, #10, Wire Range – 22 to 16 Gauge
22-01139-04P25	Ring Terminal, 3/8, Wire Range – 16 to 14 Gauge
22-01141-01P25	Spade Terminal, .032 x .250, Wire Range – 16 to 14 Gauge
22-00595-01P25	Spade Terminal, 3/8, Wire Range – 12 to 10 Gauge
22-01172-00P25	Spade Terminal, 3/16, Wire Range – 20 to 16 Gauge
22-01106-00F25	Spiral Wrap, 1/4 in. Dia x 25 lg
22-01107-00F25	Spiral Wrap, 1/2 in. Dia x 25 ft lg
34-50008-01P24	T-Bolt, Mounting 1/2-13 x 6 lg (Unit Mounting)
34-50008-03P24	T-Bolt, Mounting 1/2-13 x 10 lg (Unit Mounting)
44-01043-05P25	Ty-Raps, 5-1/2 lg
44-01043-07P25	Ty-Raps, 11 lg
50-00162-04	V-Belt, Water Pump
50-00178-07	V-Belt, Condenser Fan
50-00178-08	V-Belt, Compressor Drive
50-00178-51	V-Belt, Standby Motor (Matched Set) – **NDM**
50-00162-08	V-Belt, Alternator
66U1-3803-P10	Tube, Heat Shrink (.25 - .08 ID)

NDA-93A/94A/94D/NDM-94A/94D

2. DOOR AND GRILLE ASSEMBLIES



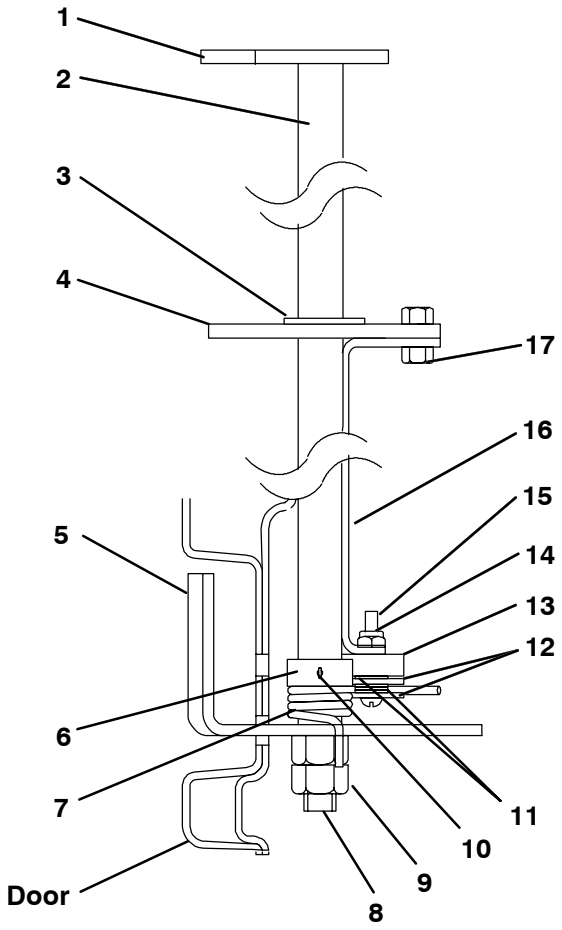
2. DOOR AND GRILLE ASSEMBLIES

ITEM	PART NO.		DESCRIPTION	QTY
1	79-01654-00		Grille Assembly, **Curbside** – Includes:	1
2	79-01655-00		Grille Assembly, **Roadside** – Includes:	1
2	79-01655-02		Grille Assembly, **Roadside, Fresh Air** – Includes:	1
3	34-06122-00		Rivet, Blind, 5/32 Dia, .040-.295 Grip Range NSI	4
4	58-04077-00		Cap, Trim	4
5	58-00901-00F06		Trim, Automotive (6 ft, cut to length)	A/R
6	44-00326-00		Hinge, Slip – SST	2
7	34-06025-06		Screw, Hex Head w/cap washer 1/4-20 x 1 lg – SAE	8
8	62-02507-00		Decal, Carrier	1
9	NSS		Grille, **Curbside**	1
10	NSS		Grille, **Roadside**	1
11	62-03883-00		Decal, **Phoenix Ultra**	1
12	34-06127-00		Screw, Thumb, 1/4-20 x .94 lg Black – SST	4
13	34-06089-00		Washer, Fender, Black	4
14	58-04118-00		Washer, Neoprene	4
15	58-04090-00		Door Assembly, Side, **Curbside** – Includes:	1
15	58-04090-05		Door Assembly, Side, **Curbside, (Integral Tank)** – Includes:	1
16	58-04091-00		Door Assembly, Side, **Roadside** – Includes:	1
3	34-06122-00		Rivet, Blind, 5/32 Dia, .040-.295 Grip Range	2
4	58-04077-00		Cap, Trim	2
5	58-00901-00F06		Trim, Automotive (6 ft, cut to length)	A/R
12	34-06127-00		Screw, Thumb, 1/4-20 x .94 lg Black – SST	4
13	34-06089-00		Washer, Fender, Black	1
14	58-04118-00		Washer, Neoprene	4
17	34-06135-00		Washer, Fender, White	3
18	44-00322-00		Hinge, Pin, Side Door	1
19	44-00323-01		Hinge, Release, Door, **Curbside**	1
20	44-00323-00		Hinge, Release, Door, **Roadside**	1
21	34-00918-06		Screw, Hex Head w/cap washer 1/4-20 x 3/4 lg – SAE	8
22	68-11566-00		Plate – SST NSI	1
23	58-04093-00		Door Assembly, Front, **Curbside** – Includes:	1
3	34-06122-00		Rivet, Blind, 5/32 Dia, .040-.295 Grip Range NSI	2
4	58-04077-00		Cap, Trim	4
5	58-00901-00F06		Trim, Automotive (6 ft, cut to length)	A/R
21	34-00918-06		Screw, Hex Head w/cap washer 1/4-20 x 3/4 lg – SAE	12
22	68-11566-00		Plate – SST NSI	1
24	44-00320-01		Hinge, Release	1
25	44-00321-00		Hinge	1
26	58-04092-00		Door Assembly, Front, **Roadside** – Includes:	1
27	58-04092-20		Door Assembly, Front, **Roadside** – Includes:	1
3	34-06122-00		Rivet, Blind, 5/32 Dia, .040-.295 Grip Range NSI	2
4	58-04077-00		Cap, Trim	2
5	58-00901-00F06		Trim, Automotive (6 ft, cut to length)	A/R
21	34-00918-06		Screw, Hex Head w/cap washer 1/4-20 x 3/4 lg – SAE	12
22	68-11566-00		Plate – SST NSI	1
25	44-00321-00		Hinge	1
28	34-00216-18		Screw, Round Head, #10-32 x 1-1/8 lg NSI	3
29	34-00360-09		Nut, Lock #10-32 NSI	1
30	34-00366-09		Washer, Plain, #10 NSI	1
31	44-00320-00		Hinge, Release	1
32	58-00913-00		Bumper	1
33	–		Latch Assembly – Refer to Section 3	–
34	79-01653-00		Grille, Front – Includes:	1
35	NSS		Grille, Front	1
3	34-06122-00	NSI	Rivet, Blind, 5/32 Dia, .040-.295 Grip Range	4
4	58-04077-00		Cap, Trim	4
5	58-00901-00F06		Trim, Automotive (6 ft, cut to length)	A/R

ITEM	PART NO.	DESCRIPTION	QTY
2. DOOR AND GRILLE ASSEMBLIES (CONTINUED)			
28	34-00918-06	Screw, Hex Head w/cap washer 1/4-20 x 3/4 lg – SAE	A/R
7	34-06025-06	Screw, Hex Head w/cap washer 1/4-20 x 1 – SAE	A/R
28	34-00216-18	Screw, Round Head, #10-32 x 1-1/8 (NSI)	2
29	34-00361-12	Nut, Lock, 5/16-18 (NSI)	2
30	34-00662-13	Washer, Plain, 3/8 (NSI)	4
36	44-00327-01	Hinge, Pin, Grille	2
37	44-00327-00	Hinge, Pin, Grille	2
38	68-11615-00	Angle, Front Grille	2
39	68-11615-01	Angle, Front Grille	1
40	86-04026-01	Bracket Latch Pin – Includes:	1
41	86-04025-01	Bracket Latch Pin – Includes:	1
42	58-04194-00	Bumper, Molded with 5/16-18 stud	2
43	58-00836-03	Spacer, Nylon	2
44	79-02287-01	Frame Assembly, Main – Includes:	1
45	44-00324-00	Hinge, Leaf, Single (Welded to Frame)	4
46	44-00325-00	Hinge, Leaf, Single (Welded to Frame)	4
47	68-11613-00	Angle, Grille Mounting	1
48	58-04097-00	Gasket (Located behind front grille)	2
49	58-01288-01	Rivet, Ratchet	12
50	34-06040-00	Nut, Speed ”U” Type	3
51	34-00662-20	Washer, Plain, Special	3
52	68-07204-00	Angle, Grille	2
53	34-06051-07	Rivnut, 1/4-20	A/R
54	58-00701-04	Button, Plug	8
55	68-06911-00	Channel, Mounting (NSI)	1
56	68-11628-01	Channel, Mounting (NSI)	1
57	48-00271-00	Spacer, Mounting (NSI)	2
NS	76-00506-00	Installation Kit, Unit (NSI)	A/R
NS	34-00172-07	Clamp, Half, 1.00 Dia (NSI)	6
NS	34-00304-28	Screw, Hex Head 3/8-16 x 3.50 lg (NSI)	2
NS	34-00349-12	Screw, Thread Forming, 1/4-14 x .75 lg Type B (NSI)	6
NS	34-00361-15	Nut, Lock, 1/2-13 (NSI)	8
NS	58-00079-02	Sta-Strap, 0–1.75 Dia Cable (NSI)	6
NS	34-00588-15	Washer, Plain, 1/2 – SAE (NSI)	8
NS	58-00253-00	Kazoo, Drain Hose Fitting	2
NS	58-00701-04	Plug, Button, 1-1/2 Dia Hole	8
NS	86-04029-00	Bracket Assembly, Lifting (NSI)	2

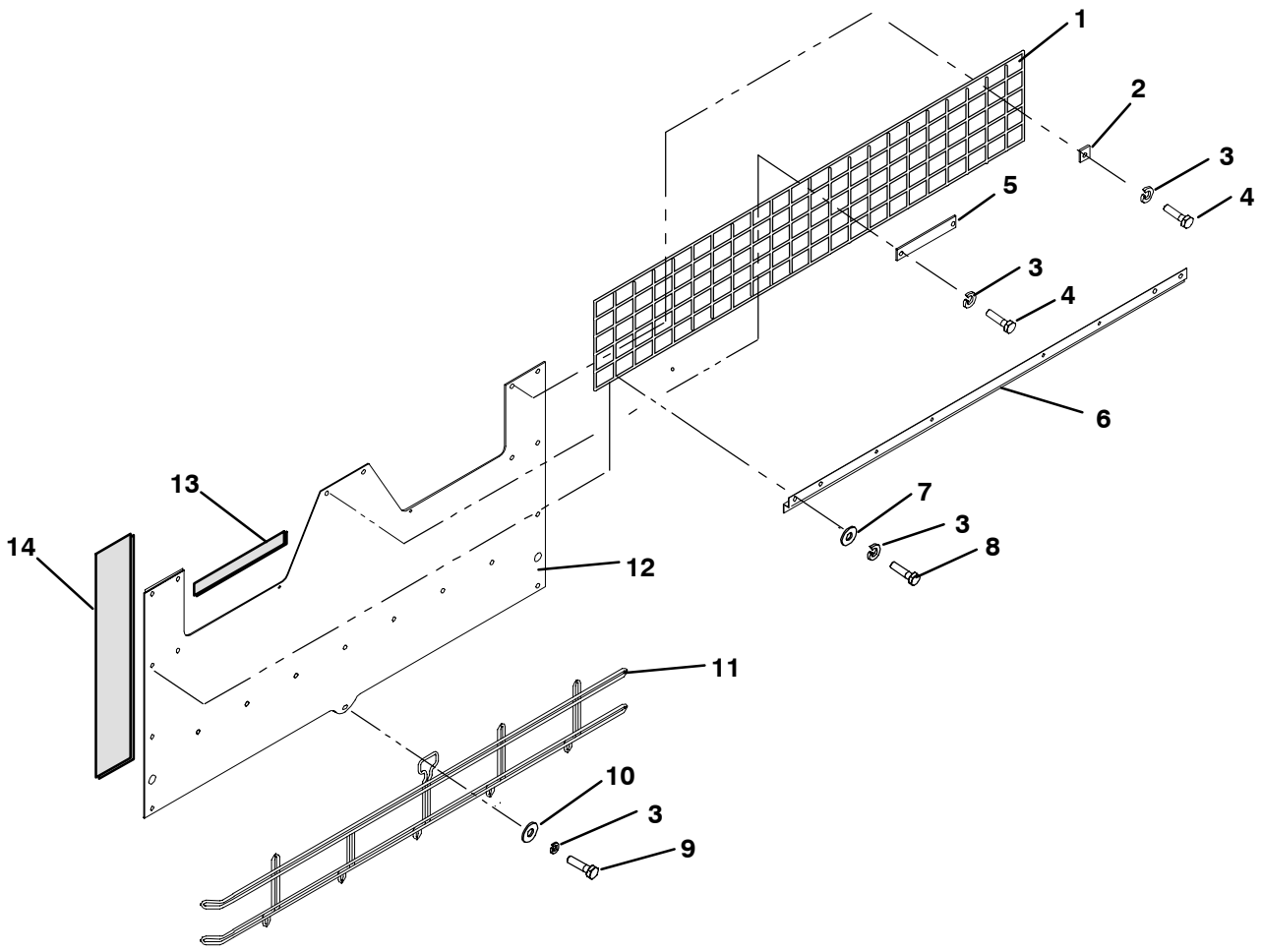
ITEM	PART NO.	DESCRIPTION	QTY

3. DOOR LATCHES



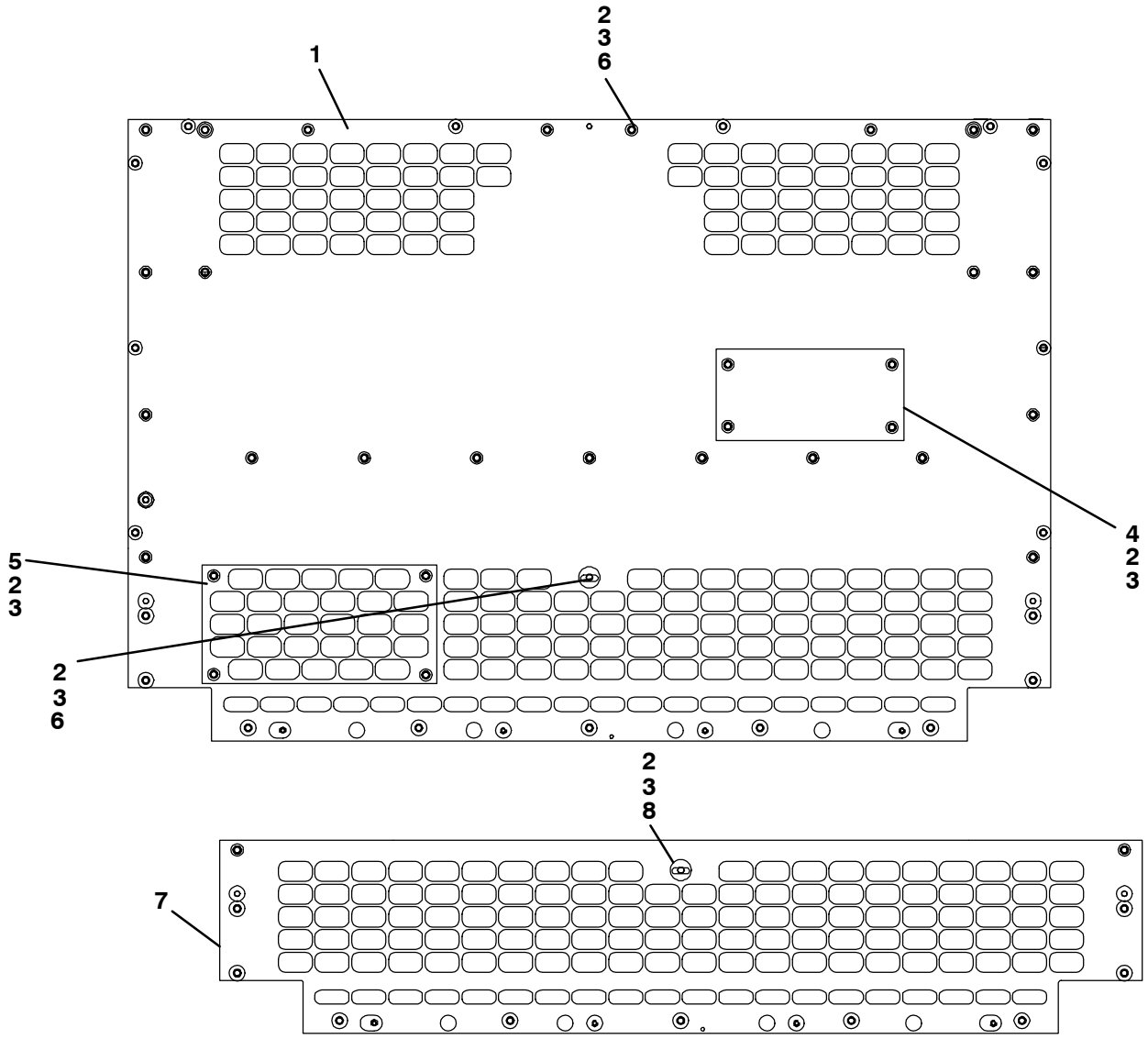
–	86-04035-00	Latch Assembly – Includes:	1
1	68-11534-00	Latch, Door	1
2	56-06936-00	Tube, Door Latch	1
3	PL	Washer, Plain 1/2 SAE – SST	1
4	68-11533-00	Plate, Door Latch	1
5	68-11535-00	Handle, Door Latch	1
6	48-00270-00	Collar	1
7	73-00165-00	Spring	1
8	48-00269-00	Adapter	1
9	PL	Nut, Hex 3/8-16 – SST	2
10	34-00735-01	Pin, Cotter (1/16 Dia x 1 lg) – SST	1
11	PL	Washer, Plain, #6 – SST	4
12	34-00616-03	Washer, Special – SST	2
13	58-00836-08	Nylon Spacer	1
14	PL	Nut, Self Lock, #6-32, UNC 2B – SST	1
15	PL	Screw, Round Head, #6-32 x 1 – SST	1
16	68-11569-00	Channel, Latch – SST	1
17	PL	Nut, Self Lock, 1/4-20	2
NS	68-11531-00	Channel, Latch (Upper) – SST	1
NS	68-11529-00	Plate, Latch	2

4. BACK PANEL AND GRILLE – PRIOR TO S/N DAF90208950



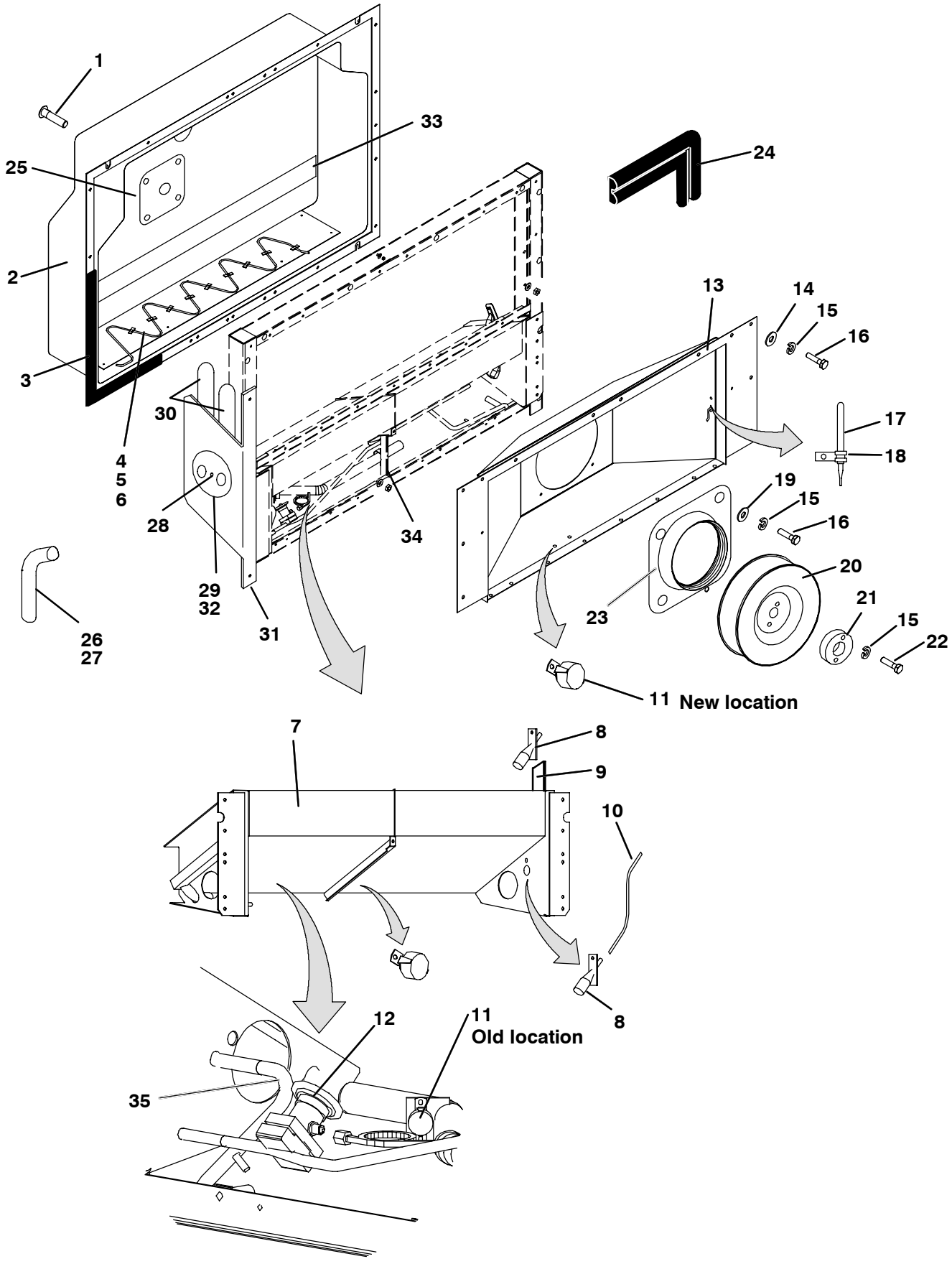
ITEM	PART NO.	DESCRIPTION	QTY
1	68-11631-00	Screen, Top	1
2	68-11633-00	Plate	4
3	PL	Washer, Lock, 1/4 – SST	41
4	PL	Screw, Cap Hex Head, 1/4-20 x 3/4 – SST	17
5	68-11632-00	Plate	1
6	79-02264-00	Channel, Zee	1
7	34-00662-20	Washer, Special – SST	26
8	PL	Screw, Cap Hex Head, 1/4-20 x 1-1/4 – SST	10
9	PL	Screw, Cap Hex Head, 1/4-20 x 1 – SST	14
10	34-00662-19	Washer, Special – SST	1
11	86-04046-00	Grille, Lower Back	1
12	79-02258-00	Panel, Back – Includes:	1
13	42-00256-00	Gasket, Back Panel – Horizontal (NSI)	1
14	42-00257-00	Gasket, Back Panel – Vertical (NSI)	2

5. BACK PANEL AND GRILLE – STARTING WITH S/N DAF90208950



ITEM	PART NO.	DESCRIPTION	QTY
1	68-07232-00SV	Panel, Back – Includes:	1
2	PL	Screw, Cap Hex Head, 1/4-20 x 1 – SST	A/R
3	PL	Washer, Lock, 1/4 – SST	A/R
4	68-07236-00	Cover (NSI)	1
5	68-07233-00	Cover	1
6	34-00662-20	Washer, Special – SST	A/R
7	68-07199-00	Panel, Back (Lower) **S/N DAF90208950 thru S/N DAX90282985**	1
8	34-00662-19	Washer, Special – SST **S/N DAF90208950 thru S/N DAX90282985**	1
NS	42-00256-00	Gasket, Back Panel – Horizontal (NSI)	1
NS	42-00257-00	Gasket, Back Panel – Vertical (NSI)	2

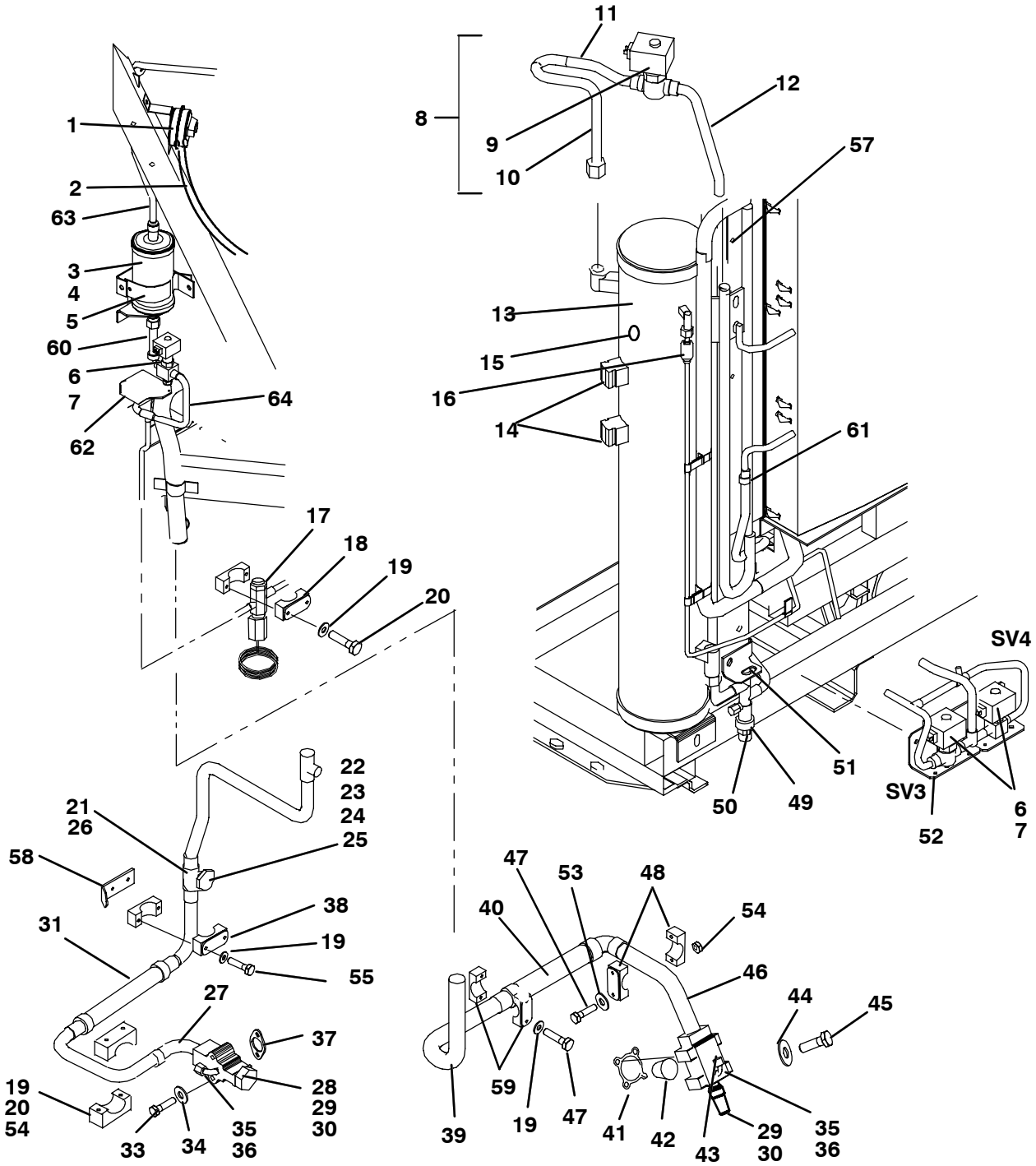
6. EVAPORATOR ASSEMBLY



6. EVAPORATOR ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
1	34-00960-16	Screw, Socket, Flat Head, 1/4-20 x 1 (NSI)	4
2	58-04070-00	Pod, Evaporator	1
2	58-01292-00	Pod, Evaporator – **Air Exchange** (NSI)	1
3	42-01156-00	Gasket, Evaporator Pod to Evaporator Frame	1
4	86-04109-00	Defrost Plate Assembly – Includes: (NSI)	1
5	NSS	Plate, Defrost	1
6	NSS	Tube, Serpentine	1
7	08-00209-00	Coil, Evaporator – **R-22**	1
7	08-00211-00	Coil, Evaporator – **R-404A**	1
NS	08-00197-01	Heat Exchanger – **R-404A**	1
8	58-00793	Fitting, Air Sensing	2
9	68-10745-00	Bracket, Air Sensing Fitting (NSI)	1
10	58-01071-00F25	Tube, Vinyl (25 ft cut to length)	A/R
NS	22-01721-00	Harness, **DTT** – Includes:	1
11	12-00256-03	Thermostat, Defrost Termination (Klixon)	2
12	–	Valve, Expansion (TXV) – Refer to Section 31	1
13	86-04105-00	Housing, Blower (NSI)	1
14	PL	Washer, Plain, 1/4 – SST	A/R
15	PL	Washer, Lock, 1/4 – SST	A/R
16	34-00655-06	Screw, Machine Hex Head,1/4-20 x 3/4 w/cap washer – SST (NSI)	A/R
17	22-01636-01	Sensor Assembly, **RAS** – Includes:	1
NS	76-50054-00	Probe Kit, Supply Air **(Ultra Fresh II)** – Includes:	1
17	22-01636-00	Sensor Assembly, **SAS** – Includes:	1
NS	12-01072-01SV	Sensor, Thermostat	1
NS	22-50078-01SV	Connector, Male	1
NS	22-50078-02SV	Connector, Female (Mating Part 22-50078-01SV)	A/R
18	34-00373-51	Clamp, Sensor – SST	1
19	34-00662-20	Washer, 9/32 ID (Special) – SST	A/R
20	38-00136-00	Blower, Evaporator	1
21	04-00122-02	Bushing, Split Taper – Includes:	1
22	PL	Bolt, Hex Head Capscrew, 1/4-20 x 3/4 (SAE Grade 5)	2
23	68-11617-00	Ring, Fan, Evaporator	1
24	58-01278-00	Seal, Unit to Trailer	1
25	81-02468-00	Plate Assembly – **Air Exchange** (NSI)	1
26	58-00640-00	Hose – **Air Exchange** (NSI)	1
27	44-00045-13	Clamp – **Air Exchange** (NSI)	6
28	34-00915-03	Nut, Wing, #10-32, Self Locking – **Air Exchange** (NSI)	1
29	42-01160-00	Gasket, Vent Plate – **Air Exchange** (NSI)	1
30	58-01293-00	Hose, Formed – **Air Exchange** (NSI)	2
31	86-02890-00	Bracket – **Air Exchange** (NSI)	1
32	68-04446-01	Plate, Vent – **Air Exchange** (NSI)	1
33	42-00258-00	Gasket	1
34	68-07020-00	Angle, Support (NSI)	1
35	56-06726-00	Tube, Hot Gas	1
NS	58-00253	Kazoo (Located on end of drain hose)	2
NS	58-00772-01	Hose, Drain, Molded (Cut to length)	2
NS	58-04104-00	Hose, Drain, Molded	1
NS	58-00712-15	Clamp, Drain Hose (NSI)	4
NS	79-02260-00	Frame, Evaporator (NSI)	1
NS	86-02885-00	Bracket, TXV Support (NSI)	1

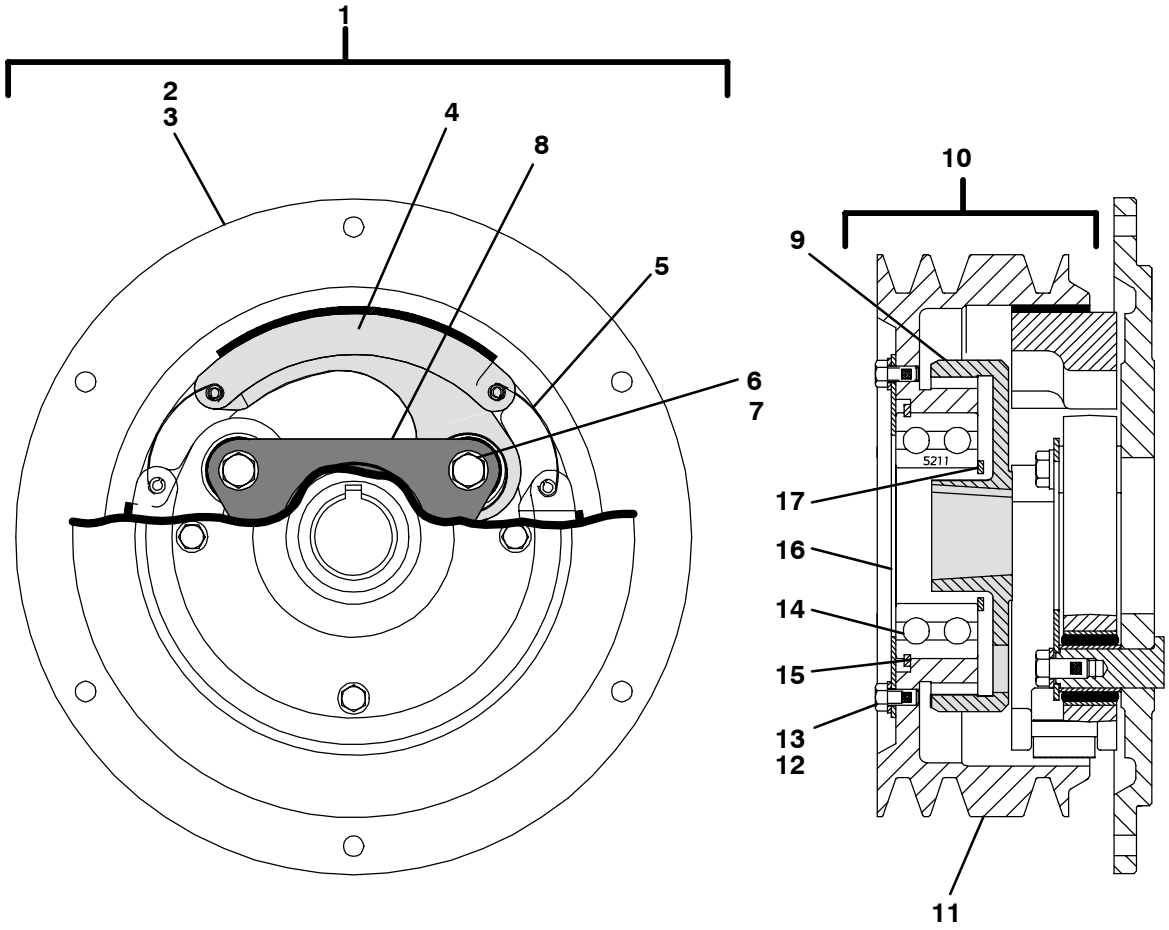
7. REFRIGERATION COMPONENTS



ITEM	PART NO.	DESCRIPTION	QTY
7. REFRIGERATION COMPONENTS			
1	12-00303-00	Switch, Air Pressure	1
2	58-01071-00F25	Tube, Low Pressure, Vinyl (25 ft. to be cut to length)	A/R
3	14-00209-00	Drier, Filter – **High Moisture Capacity** – Includes:	1
4	14-00209-20	O-Ring, Filter	2
5	68-11547-00	Bracket, Drier	1
6	–	Valve, Solenoid (SV2 & SV4) – **Refer to Section 30** – Includes:	2
7	–	Coil, Solenoid – **Refer to Section 30**	2
8	81-01332-02	Valve Assembly (SV1) – Includes:	1
9	–	Valve, Solenoid (SV1) – **Refer to Section 30**	1
10	56-06942-02	Tube Assembly	1
11	56-06943-00	Tube	1
12	56-06903-01	Tube	1
13	65-01061-02	Receiver Assembly – Includes:	1
14	14-50023-00	Sight Glass (Prism Style)	2
NS	14-00111-00	Sight Glass (Ball Type, White) (Optional)	A/R
NS	14-00111-01	Sight Glass (Ball Type, Red) (Optional)	A/R
15	EK02KK105	Plug, Fusible, 1/4 mpt, Brass	1
16	140237	Valve, Check	1
17	14-00190-00	Valve, Quench **NDA/M-94A Prior to S/N DAS90258940**	1
17	14-00190-06	Valve, Quench **NDA/M-94A Starting with S/N DAS90258940**	1
18	44-00285-21	Clamp, 1” Tube	1
19	PL	Washer, Lock,1/4 Spring	A/R
20	34-00300-16	Screw, Hex Head, 1/4-20 x 2 lg, Grade 5	A/R
NS	81-02493-00	Tube Assembly, Discharge – Includes:	1
21	14-00029-07	Check Valve, Discharge, 7/8 – Includes:	1
22	16-00171	Seat, Brass/Teflon	1
23	16-00172-01	Spring	1
24	16-03301	Gasket, Copper	1
25	16-00173	Cap	1
26	14-00176-00	Strainer, Check Valve	1
27	40-00072-07	Elbow	1
28	14-01042-04	Valve, Discharge Service – Includes:	1
29	17-10812-00	Cap, Service Valve (Plastic) – Includes:	1
30	17-10806-02	Gasket, Valve Cap	1
31	73-00168-00	Vibrasorber, Discharge **Starting with S/N CAY90178300**	1
29	17-10806-10	Cap, Service Valve (Brass) – Includes:	1
31	73-00166-00	Vibrasorber, Discharge **Prior to S/N CAY90178300**	1
32	–	Valve, Solenoid (SV3) – Refer to Section 30	1
33	34-00302-14	Screw, Hex Head, 5/16-18 x 1-3/4 lg, Grade 5 (NSI)	2
34	17-40013	Gasket, Screw	2
35	40-00086-04	Cap, Seal	2
36	40-00102-04	Elbow, 1/4 MFL x 1/4 mpt	2
37	17-10811-05	Gasket, Discharge Service Valve	1
38	44-00285-60	Clamp, 7/8 Tube OD	2
39	56-03466-02	Tube, Suction Line (NSI)	1
40	73-00314-00	Vibrasorber, Suction	1
41	17-40005-05	Gasket, Suction Service Valve	1
42	58-00869-00	Filter, Suction Valve	1
43	17-40002-01	Valve, Suction Service – Includes:	1
29	17-10812-00	Cap, Service Valve (Plastic) – Includes:	1
30	17-10806-02	Gasket, Seal	1
29	17-10806-10	Cap, Service Valve (Brass)	1
44	34-06038-00	Washer , Special (NSI)	4
45	34-00308-20	Screw, Hex Head – 1/2-13 x 2.50 lg, Grade 5	4
46	56-06897-01	Tube, Suction (NSI)	1
47	34-00300-24	Screw, Hex Head,1/4-20 x 3 lg, Grade 5 (NSI)	4
48	44-00285-20	Clamp,1-3/8 OD Tube	1

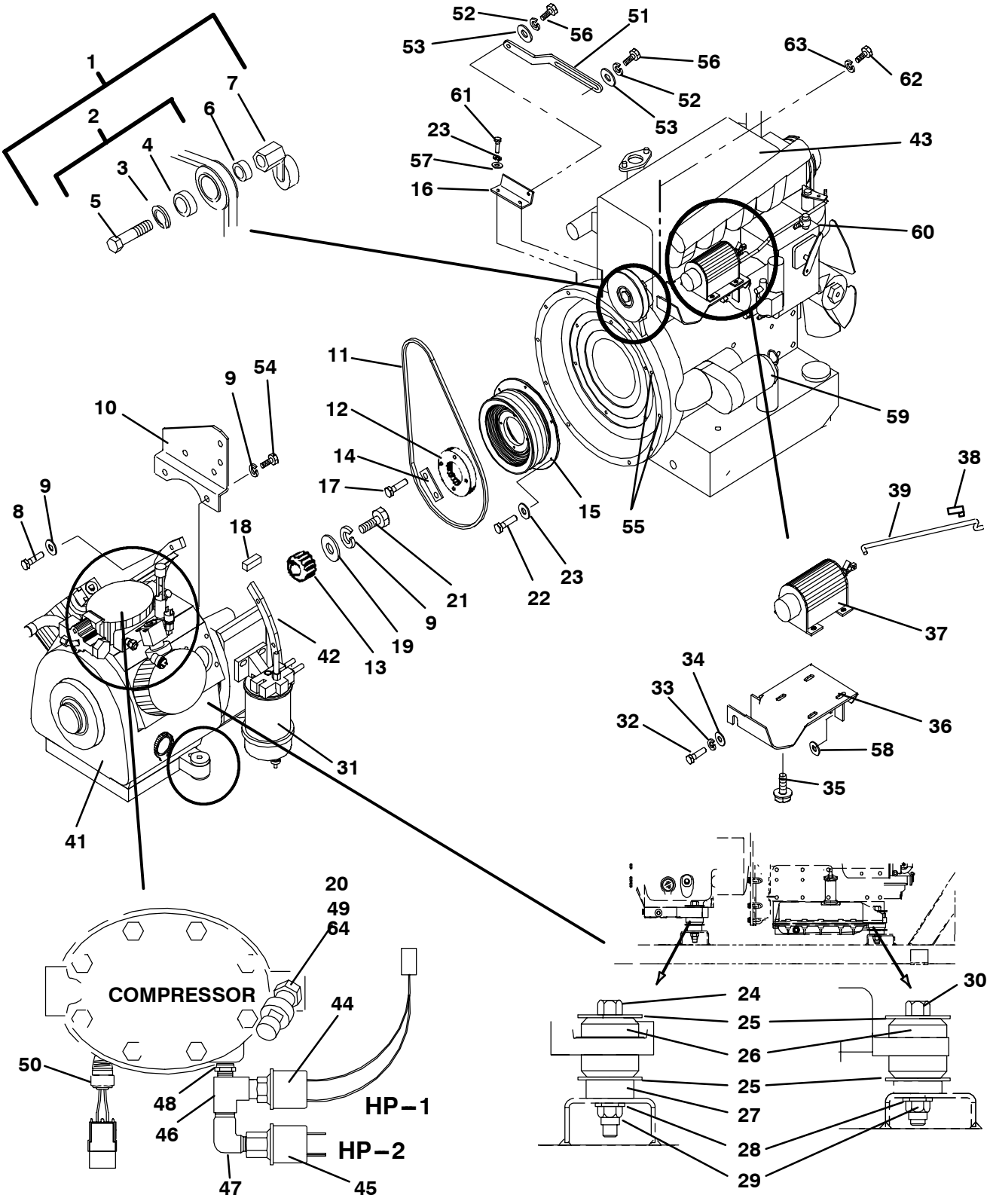
ITEM	PART NO.	DESCRIPTION	QTY
7. REFRIGERATION COMPONENTS – CONTINUED			
49	40-00501-02	Valve, King – Includes:	1
50	40-00501-50	Cap	1
51	68-06986-00	Bracket, King Valve (NSI)	1
52	68-11544-00	Bracket, Valve (SV3 & SV4) (NSI)	12
53	PL	Washer, Plain, 1/4	8
54	PL	Locknut, 1/4-20	6
55	44-00285-72	Clamp, 7/8 OD	2
56	34-00300-18	Screw, Hex Head, 1/4-20 x 2.25 lg, Grade 5 (NSI)	4
57	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer, Grade 5 – SAE	A/R
NS	86-02799-00	Bracket, Support, Discharge Line	1
NS	62-03797-00	Label, R-22	3
NS	62-03802-12	Label, RTF – **R-22** (NSI)	1
NS	62-03797-01	Label – R404A	3
NS	62-03802-14	Label, RTF – **R-404A** (NSI)	1
58	79-02286-00	Plate Assembly, Nut – Includes:	1
NS	86-02803-00	Bracket, SV1 Valve	2
59	44-00285-40	Clamp	1
60	56-06961-00	Tube Assembly, Filter Drier – Includes:	1
NS	NSS	Nut, Flare	1
61	40-00130-05	Coupling, Reducing	1
62	86-02803-00	Bracket, Mounting	1
63	81-01323-00	Tube AssemblyFilter Drier – Includes:	1
NS	NSS	Nut, Flare	1
NS	40-00130-05	Coupling, Reducing	1
64	56-06653-09	Tube	1

8. CLUTCH ASSEMBLY – NDM ONLY



ITEM	PART NO.	DESCRIPTION	QTY
1	50-00225-00	Clutch Assembly – Includes:	1
2	50-00225-10	Rotor Assembly – Includes:	1
3	NSS	Plate Assembly, Rotor	1
NS	50-50025-00	Kit, Shoe Assembly – Includes:	1
4	NSS	Shoe Assembly, Friction – Includes:	3
NS	NSS	Bushing	1
NS	NSS	Pin, Spring	2
5	50-00221-13	Spring, Leaf	3
6	34-00993-05	Screw, Hex Head, 5/16-24 x 5/8 lg – SAE Grade 8 (NSI)	3
7	PL	Washer, Plain 5/16	3
8	50-00173-03	Delta Bridge	1
9	50-00221-40	Coupling, Adapter	1
10	50-00221-20	Housing Assembly – Includes:	1
11	NSS	Housing	1
12	50-00221-25	Screw, Hex Head	4
13	50-00221-26	Washer	4
14	50-00221-22	Bearing Assembly, Ball – Includes:	1
15	NSS	Ring, Snap	1
16	50-00221-24	Plate, Retaining	1
17	50-00221-30	Ring, Snap (External)	1
NS	17-44019-00	Compressor Clutch Mounting Hub	1

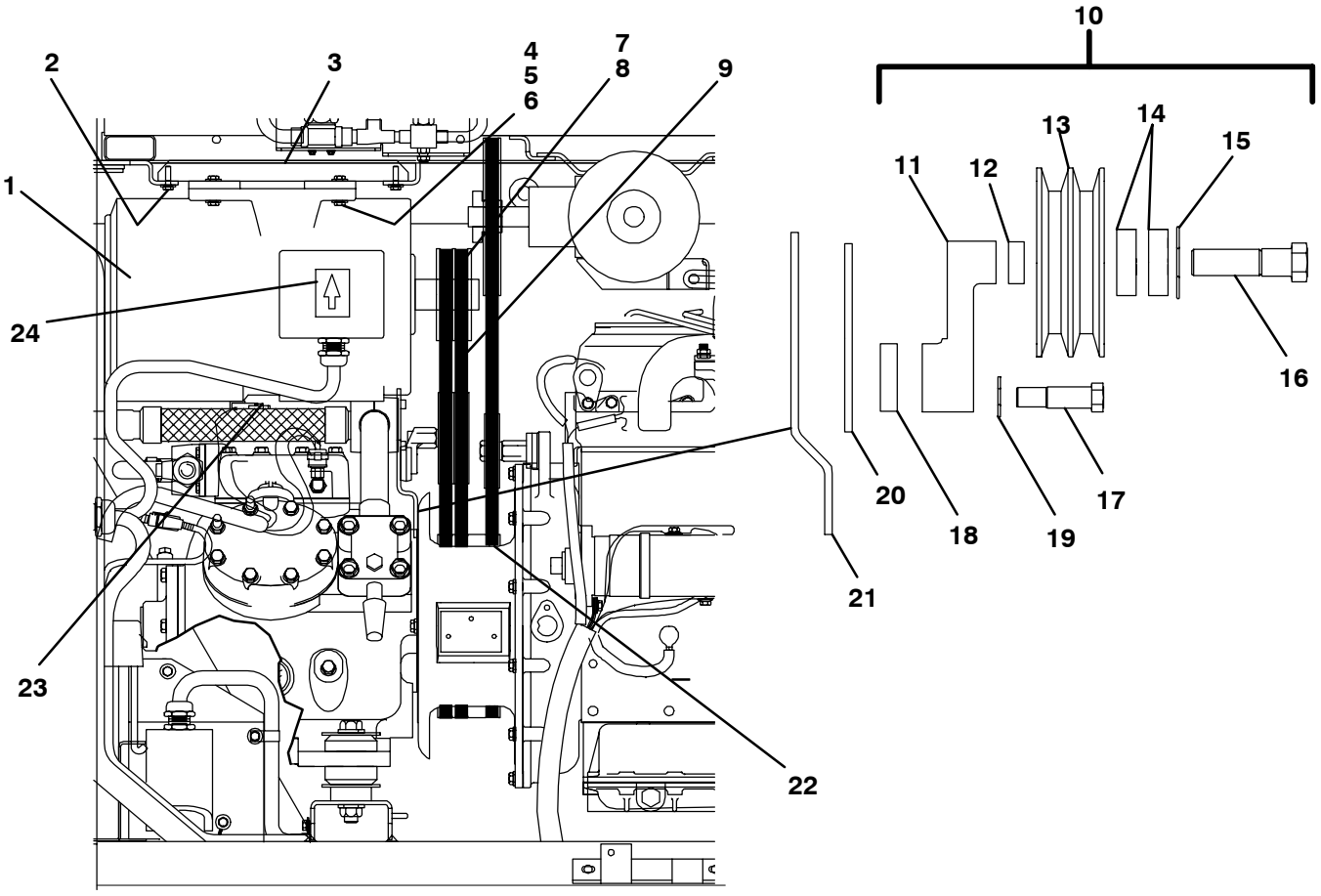
9. DRIVE ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY
9. DRIVE ASSEMBLY			
1	50-00207-00	Pulley Assembly, Eccentric Idler – Includes:	1
2	48-00058-26	Pulley Assembly – Includes:	1
3	NSS	Ring, Retaining	1
4	04-00018	Bearing	1
5	48-00058-02	Bolt, Shoulder	1
6	48-00058-05	Spacer	1
7	48-00267-00	Eccentric	1
8	34-00304-08	Bolt, Hex Head, 3/8-16 x 1 lg, Grade 5	A/R
9	PL	Washer, Lock, 3/8	9
10	68-11604-00	Bracket – **NDA**	1
10	48-00302-01	Bracket Assembly – **NDM**	1
11	50-00178-08	V-Belt, Compressor Drive	1
NS	48-00046-00SV	Package, Drive Gear **NDA** – Includes:	1
12	NSS	Gear, Nylon Drive – **NDA**	1
13	NSS	Gear, Compressor Drive – **NDA**	1
14	68-03850-00	Bar, Locking – **NDA**	2
15	48-00263-00	Sheave, Compressor Drive – **NDA**	1
16	68-11608-00	Angle, Belt Tension	1
17	34-00931-10	Screw, Hex Head, 5/16-18 x 1-1/4 lg, Grade 9	4
18	34-00672-00	Key, Square, 3/16 x 1-1/4 lg	1
19	34-00616-00	Washer, Special **Prior to S/N DAS90257514**	1
20	40-00129-02	Elbow, 1/4 mpt x 1/4 fpt (NSI) **Prior to S/N DAS90257514**	1
21	34-00559-08	Bolt, Hex Head, 3/8-24 x 1 lg, Grade 8 – SAE	1
22	34-01241-20	Bolt, Hex Head, M8 x 20 mm	6
23	34-00945-08	Washer, Lock, M8	6
NS	–	Clutch – **NDM**– Refer to Section 8	1
24	34-00676-40	Bolt, Cap Hex Head, 5/8-18 x 5 lg, Grade 8	2
25	34-00890-07	Washer, Snubbing, 1/8 thick	8
26	73-00160-00	Shockmount	4
27	48-00273-00	Spacer	2
28	PL	Washer, Plain, 5/8	4
29	34-00927-00	Nut, Self Lock, 5/8-18 UNF	4
30	34-00676-36	Bolt, Cap Hex Head, 5/8-18 x 4-1/2 lg, Grade 8	2
31	–	Filter, Fuel – Refer to Section NO TAG	1
32	34-00962-25	Screw, Cap Hex Head, M12 x 25 mm	1
33	34-00945-12	Washer, Lock, M12	1
34	34-00944-12	Washer, Plain, M12	1
35	34-00918-06	Screw, Machine, Hex Head, 1/4-20 x 3/4 lg w/cap washer, Grade 5	4
36	86-04043-00	Bracket, Solenoid	1
36	86-02932-00	Bracket, Solenoid – **NDA94D**	1
37	NLO	Solenoid, Speed Control **Prior to S/N DAW90272802** – Includes:	1
NS	10-00361-20	Boot, Solenoid	1
NS	10-00361-21	Plunger Assembly – Includes:	1
NS	10-00361-22	Eye Bolt, Solenoid	1
NS	22-50078-01SV	Connector, Male, Sealed	1
NS	22-50078-02SV	Connector, Female (Located on Unit Harness)	1
37	10-00361-00	Solenoid, Speed Control **Starting with S/N DAW90272802** – Includes:	1
NS	10-00361-20	Boot	1
NS	10-00361-21	Plunger Assembly – Includes:	1
NS	10-00361-24	Boot, Plunger	1
NS	10-00361-22	Clevis	1
NS	22-50078-01SV	Connector, Male, Sealed	1
38	44-01049-01	Clevis Clip, Control Rod	1
39	73-00321-00SV	Linkage, Rod Control – Includes:	1
40	44-01049-01	Clevis Clip, Control Rod	1

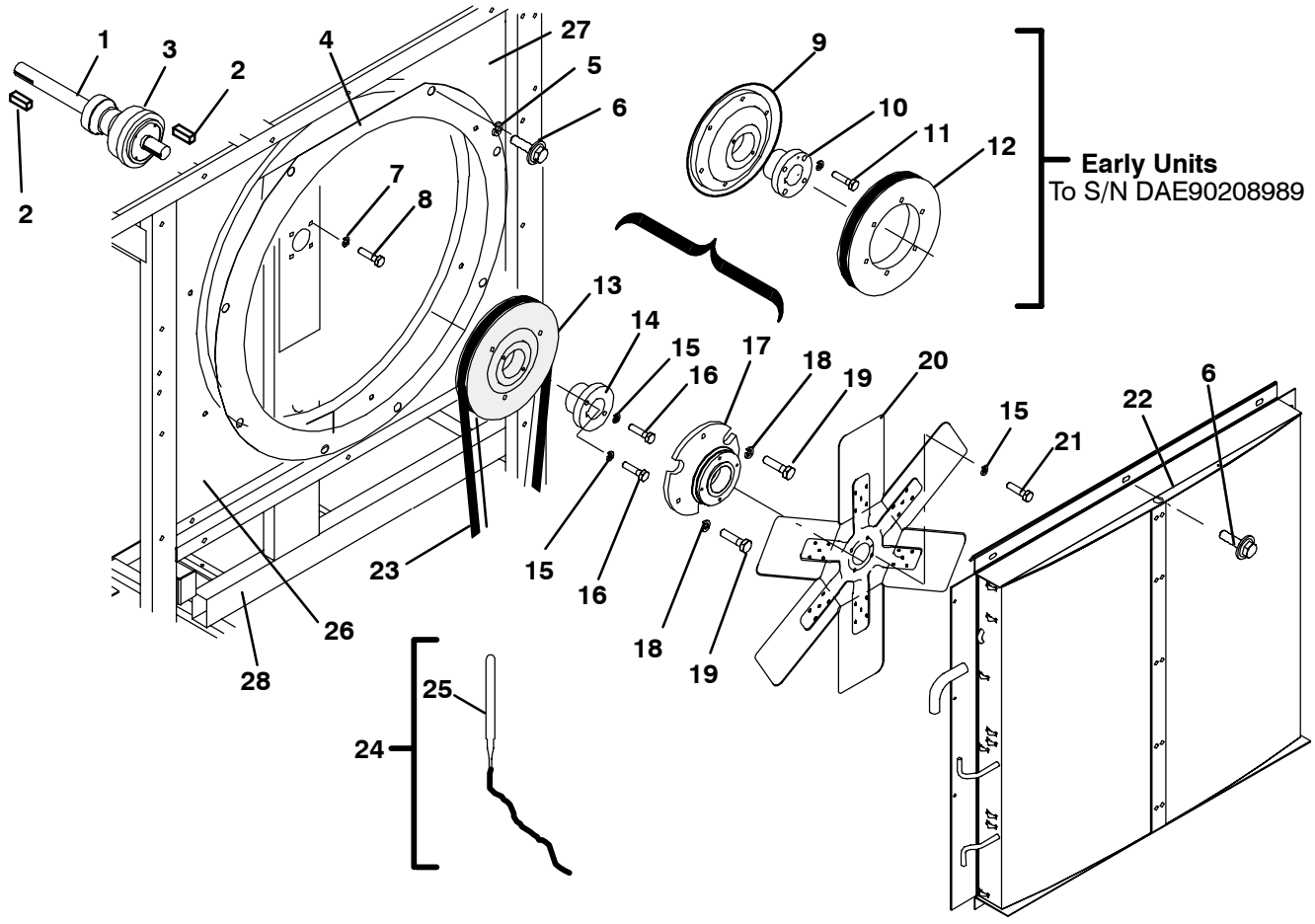
ITEM	PART NO.	DESCRIPTION	QTY
9. DRIVE ASSEMBLY (CONTINUED)			
41	18-00059-103RM	Compressor, 05G, 41 CFM – **NDA94A, NDA94D**	1
41	18-00051-00	Compressor, 05G, 37 CFM – **NDA94A Euro** (NSI)	1
41	18-00059-106RM	Compressor, 05G, 37 CFM – **NDM94A, NDM94D**	1
41	18-00059-105	Compressor, 05G, 41 CFM – **NDA93A (R-404A)**	1
42	17-44025-00	Flange, Shaft End	1
43	26-00101-01	Engine, Kubota, (CT4-134-TV-Ultra) – **NDA/M93A/94A**	1
43	26-00105-02	Engine, Kubota, (CT4-134-DI-Ultra) **–** **NDA/M94D**	1
44	12-00309-01	Switch, High Pressure Cut Out (HP-1) – **NDA94A (Prior to S/N EAD90304846)**	1
44	12-00309-02	Switch, High Pressure Cut Out (HP-1) – **NDA93A/94D (Starting with S/N EAD90304846)**	1
45	12-00255-02	Switch, Head Pressure Control (HP-2)	1
46	79-00965	Snubber	1
47	40-00102-03	Elbow, 1/4 Flare x 1/8 npt	1
48	40-00121-01	Bushing, 1/4 npt x 1/8 npt	1
49	12-00283-00	Transducer, Suction Pressure (SPT)	1
50	12-00284-00	Sensor, Compressor Discharge Temperature (CDT)	1
NS	–	Thermistor, Water Temperature – Refer to Section 23	1
51	68-11807-00	Strap, Idler Mounting – **NDM94A**	1
51	68-11557-00	Strap, Idler Mounting – **NDM94D**	1
52	PL	Washer, Lock, 5/16	2
53	PL	Washer, Plain, 5/16	2
54	34-00304-12	Screw, Hex Head Cap, 3/8-16 x 1-1/2 lg, Grade 5 (NSI)	2
55	34-00304-10	Screw, Hex Head Cap, 3/8-16 x 1-1/4 lg, Grade 5 **Units with Bypass Oil Filter** (NSI)	2
56	34-00302-10	Screw, Hex Head, 5/16-18 x 1-1/4 SAE lg, Grade 5 (NSI)	2
NS	40-00435-04	Plug, Sq Hd, 1/2-14 npt (in coolant temperature port on engine) (NSI)	1
57	34-00944-08	Washer, Plain, M8	2
58	34-00944-10	Washer, Plain, M10	4
59	25-39135-00	Starter	1
60	25-39170-03	Solenoid, Fuel – Includes:	1
NS	NSS	Solenoid, Fuel	1
NS	25-39171-00	Gasket	1
61	25-35384	Bolt, Hex Head, M8 x 1.25 x 20 mm lg	2
62	34-00309-12	Screw, Hex Head, 1/2-20 x 1.50 lg	1
63	34-00368-15	Lockwasher, 1/2	1
64	06DA403844	Valve, Schrader	1
NS	86-04148-00	Bracket Assembly, Suction	1

10. STANDBY MOTOR AND IDLER – NDM ONLY



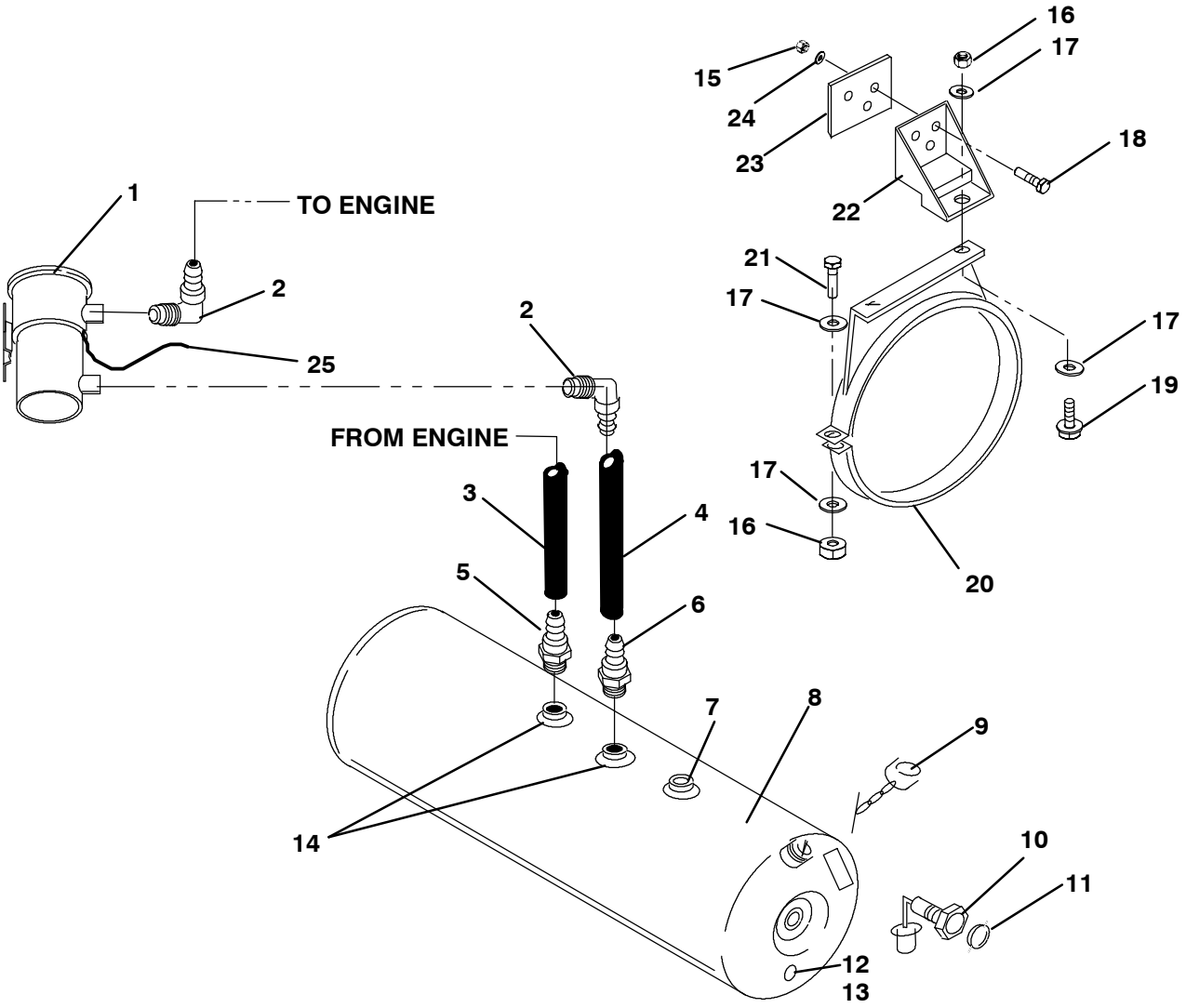
ITEM	PART NO.	DESCRIPTION	QTY
1	54-00501-01	Motor	1
2	PL	Screw, Hex Head w/cap washer, 5/16-18 x 1 lg, Grade 5	4
3	86-04059-00	Bracket Assembly	1
4	34-00304-16	Screw, Cap, Hex Head, 3/8-16 x 2 lg, Grade 5 (NSI)	4
5	PL	Washer, Plain, 3/8	4
6	PL	Washer, Lock, 3/8	4
7	50-00189-00	Sheave	1
8	04-00049-00	Bushing, Hub	1
9	50-00178-51	V-Belt (Matched Set)	2
10	48-01039-00	Idler Assembly – Includes:	1
11	NSS	Bracket, Idler	1
12	48-01039-21	Spacer	1
13	48-01039-22	Pulley, Idler	1
14	48-01039-23	Bearing	2
15	48-01039-24	Snap Ring	1
16	48-01039-25	Shoulder Bolt	1
17	48-01039-26	Shoulder Bolt	1
18	48-01039-27	Spacer	1
19	PL	Washer, Lock, 1/2	1
20	68-11807-00	Mounting Strap	1
21	–	Bracket – Refer to Section 9	–
22	–	V-Belt, Compressor Drive – Refer to Section 9	–
23	PL	Screw, Cap, Hex Head, 3/8-16 x 1/2 lg, Grade 5	1
24	62-01251-00	Decal, Rotation (NSI)	1

11. CONDENSER AND FAN SHAFT ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY
11. CONDENSER AND FAN SHAFT ASSEMBLY			
1	50-01148-01SV	Shaft Bearing Assembly – Includes:	1
2	34-01110	Key, Fan Shaft,1/4 Square x 1-1/2 – SST	2
3	58-04098-00	Gasket, Shaft Bearing Assembly **Prior to S/N DAF90213555**	1
4	68-07224-00	Ring, Venturi, Fan	1
5	34-00699-03	Washer (Special) (NSI)	8
6	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer	A/R
7	PL	Washer, Lock, 3/8	4
8	34-00304-10	Screw, Hex Head, 3/8-16 x 1-1/4 lg, Grade 5 (NSI)	4
9	NLO	Flange, Shaft – **Early Units**	1
10	04-00122-12	Bushing, Split Taper – **Early Units** – Includes:	1
11	PL	Screw, Hex Head,1/4-20 x 1 lg – SAE Grade 5	2
12	48-00272-00	Sheave, Fan – **Early Units**	1
13	50-01140-00	Sheave, Fan – **Starting with S/N DAE90208989**	1
14	04-00122-02	Bushing, Split Taper – **Starting with S/N DAE90208989**	1
15	PL	Washer, Lock, 1/4 – **Starting with S/N DAE90208989**	A/R
16	PL	Screw, Hx Hd, 1/4-20 x 1/4 lg, Grade 5 – **Starting with S/N DAE90208989**	2
17	48-00265-00	Adapter, Fan – **Starting with S/N DAE90208989**	1
18	PL	Washer, Lock 5/16	3
19	34-00302-10	Screw, Hex Head, 5/16-18 x 1-1/4 lg, Grade 5 (NSI)	3
20	38-00520-00	Fan, Condenser	1
21	34-00300-06	Screw, Cap Hex Head,1/4-20 x 3/4 lg, Grade 5 (NSI)	4
22	08-00206-00	Coil Assembly, Condenser	1
23	50-00178-07	V-Belt, Condenser Fan	1
24	22-01637-00	Sensor Assembly, Ambient – Includes:	1
25	12-01104-04	Sensor	1
NS	22-50078-01SV	Connector, Male	1
NS	22-50078-02SV	Connector, Female (Located on Unit Harness)	1
26	79-02255-00	Shroud Assembly – **Curbside**	1
27	79-02255-01	Shroud Assembly – **Roadside**	1
28	79-02287-00	Frame Assembly, Condenser – Includes:	1

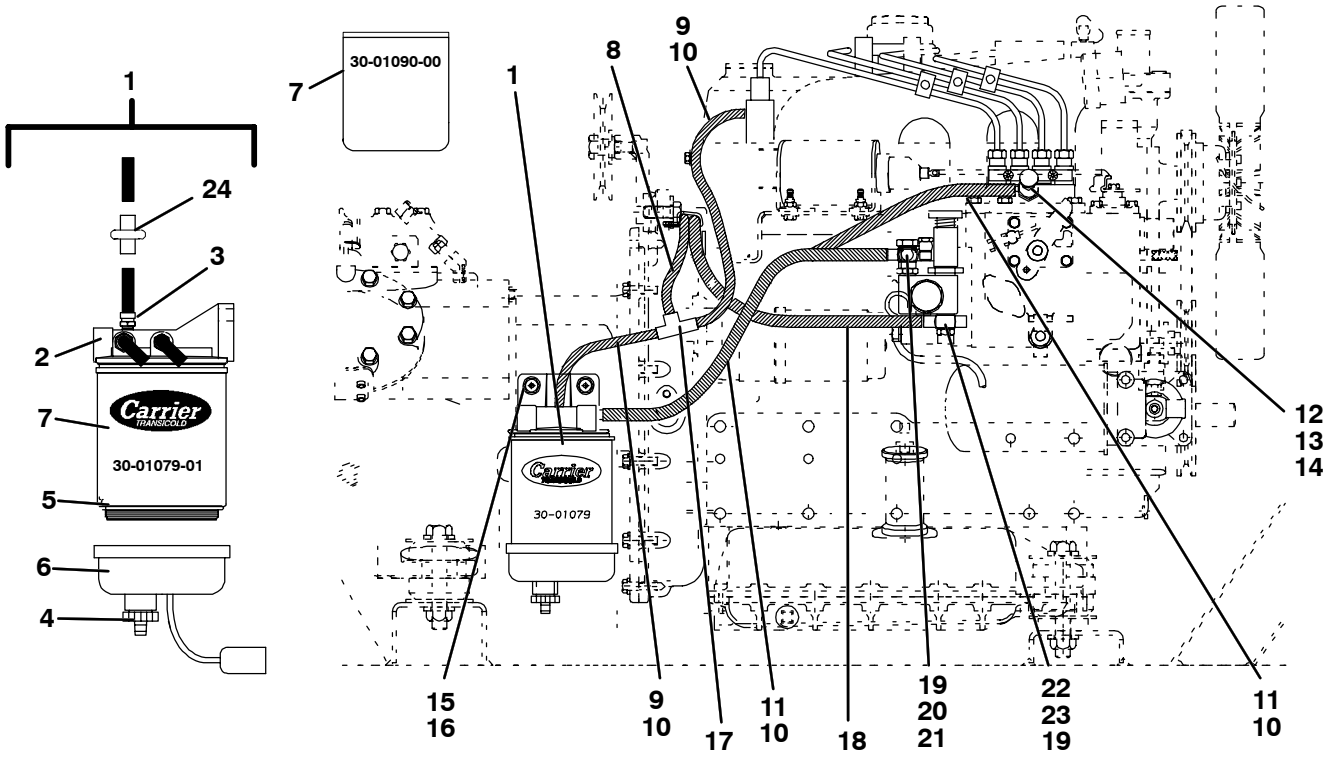
12. FUEL PUMP AND TANK



ITEM	PART NO.	DESCRIPTION	QTY
1	30-01080-00SV	Fuel Pump, Electric – Includes:	1
NS	30-01044-22	Cover (NSI)	1
NS	30-01044-21	Gasket, Bottom Cover	1
NS	30-01044-20	Filter (420 Micron)	1
2	40-00342-02	Elbow, Male, 3/8 Tube x 1/8 mpt	2
NS	22-02336-04	Fuse, 10 amp	1
3	58-00507-00F50	Tubing, 1/4 OD (50 ft, to be cut to length)	A/R
4	58-00580-00F50	Tubing, 3/8 OD (50 ft, to be cut to length)	A/R
5	40-00450-00	Connector, 1/4 mpt x 1/4 Tube (Special)	1
6	40-00450-01	Connector, 1/4 mpt x 3/8 Tube (Special)	1
7	40-00437-00	Vent, Fuel	1
8	65-01073-00	Tank, Fuel, **30 gal. – 22″ Dia (Single End Fill) –** Includes: (NSI)	1
10	12-01141-00	Fuel Gauge (w/float arm) **(on 65-01060-00,-01,-02,-03)** – Includes:	1
11	12-01141-20	Dial, Fuel Gauge	1
NS	12-01141-21	Gasket, Fuel Gauge	1
8	65-01060-02	Tank, Fuel, **30 gal. 22″ Dia (Single End Fill) Aluminum**	1
8	65-01060-03	Tank, Fuel, **30 gal. 22″ Dia (Single End Fill) Alum, anti-siphon** (NSI)	1

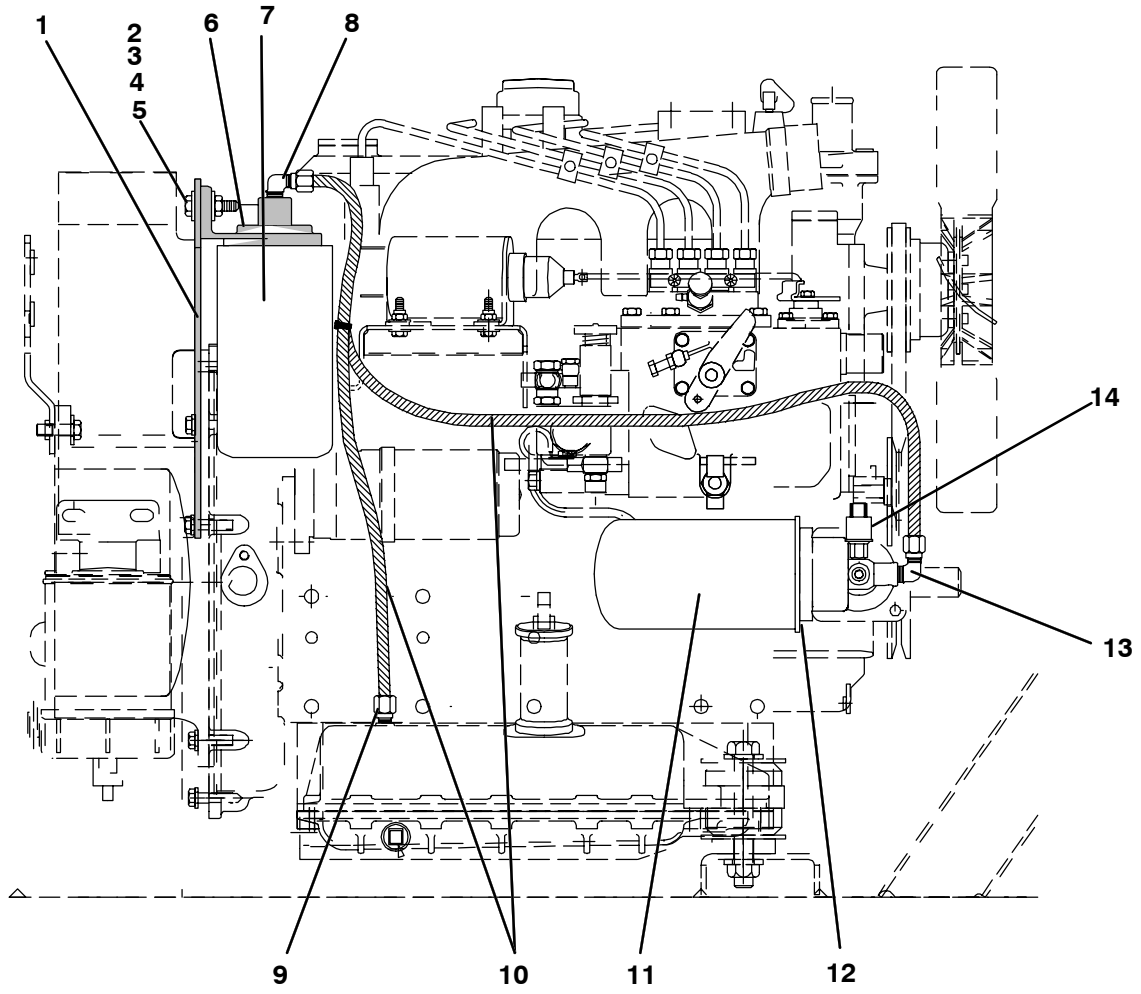
ITEM	PART NO.	DESCRIPTION	QTY
12. FUEL PUMP AND TANK			
8	65-00113-00	Tank, Fuel, **50 gal. 18″ Dia (Single End Fill)** (NSI)	1
8	65-01074-00	Tank, Fuel, **50 gal. 22″ Dia (Single End Fill)** – Includes:	1
10	12-01141-00	Fuel Gauge (w/float arm) **(on 65-01060-00,-01,-02,-03)** – Includes:	1
11	12-01141-20	Dial, Fuel Gauge	1
NS	12-01141-21	Gasket, Fuel Gauge	1
8	65-01060-00	Tank, Fuel, **50 gal. – 22″ Dia (Single End Fill) Aluminum**	1
8	65-01060-01	Tank, Fuel, **50 gal. – 22″ Dia (Single End Fill) Aluminum, Anti-siphon** (NSI)	1
8	65-00098-12	Tank, Fuel, **75 gal. – 22″ Dia (Single End Fill)** (NSI)	1
8	65-00098-01	Tank, Fuel, **100 gal. – 22″ Dia (Single End Fill)** (NSI)	1
8	65-00098-02	Tank, Fuel, **100 gal. – 22″ Dia (Double End Fill)** (NSI)	1
8	65-00098-03	Tank, Fuel, **100 gal. – 22″ Dia (Single End Fill, End Drain)** (NSI)	1
8	65-00098-04	Tank, Fuel, **100 gal. – 22″ Dia (Double End Fill, End Drain)** (NSI)	1
8	65-00098-05	Tank, Fuel, **120 gal. – 22″ Dia (Single End Fill)** (NSI)	1
8	65-00098-06	Tank, Fuel, **120 gal. – 22″ Dia (Double End Fill)** (NSI)	1
8	65-00098-07	Tank, Fuel, **120 gal. – 22″ Dia (Single End Fill, End Drain)** (NSI)	1
8	65-00098-08	Tank, Fuel, **120 gal. – 22″ Dia (Double End Fill, End Drain)** (NSI)	1
9	44-00046-08	Cap and Chain **(vented type)**	1
9	44-00046-01	Cap and Chain **(non-vented type)**	1
9	44-00046-03	Cap and Chain **(non-vented type – key lock)**	1
9	44-00046-04	Cap and Chain **(non-vented type – aluminum)**	1
10	12-01141-00	Fuel Gauge (w/float arm) **(on 65-01060-01,-02,-03)** – Includes:	1
11	12-01141-20	Dial, Fuel Gauge	1
NS	12-01141-21	Gasket, Fuel Gauge	1
10	12-00104-99	Fuel Gauge (w/float arm) – Includes:	1
11	12-00104-03	Dial, Fuel Gauge	1
12	81-00961	Drain **(on tanks so equipped)**	2
12	86-01486	Drain **(on 22″ Dia tank, if equipped)** (NSI)	2
13	PL	Plug, Pipe, 1/4 npt	2
14	65-01053-02	Tube Assembly (Pick-up and Return) (For 22″ Dia Tank)	2
15	PL	Locknut, 3/8 – SST	A/R
16	PL	Locknut, 1/2-13 – SST	A/R
17	34-00699-14	Washer, Special – SST (NSI)	A/R
18	34-00559-14	Bolt, Hex Head, 3/8-24 x 1-3/4 – SST (NSI)	A/R
19	PL	Bolt, Hex Head, 1/2-13 x 1-1/2 – SST	A/R
20	79-00916-06	Strap Assembly, **50 gal. Tank – 18″ Dia**	2
20	79-01623-06	Package, Strap Assembly, **30/50/75/100/120 gal. Tank – 22″ Dia** Includes:	A/R
NS	NSS	Strap Assembly	2
21	PL	Bolt, Hex Head, 1/2-13 x 3-3/4 – SST	A/R
22	68-03811	Bracket, Offset Hanger (Style D)	A/R
23	68-03812	Plate, Back-up (Used with style D hanger bracket)	A/R
24	PL	Washer, Flat, 3/8 – SST	A/R
25	22-01443-00F150	Cable, Shielded (For Fuel Pump) (150 ft long, cut to length)	A/R
NS	40-00117-01	Drain Cock, Sump – 1/4 npt	1
NS	76-00660-01	Fuel Tank Kit, Integral – Includes:	1
NS	65-00153-00	Tank, Fuel, Integral	1
NS	86-04092-00	Support Assembly (NSI)	1
NS	68-11685-00	Plate, Mounting (NSI)	2
NS	68-11686-00	Plate, Mounting (NSI)	2
NS	42-00282-00	Gasket	1
NS	68-11858-00	Bracket (NSI)	1
NS	58-04217-00	Gasket (NSI)	1
NS	12-00343-00	Gauge, Fuel – Includes:	1
NS	12-00343-20	Dial, Fuel Gauge	1
NS	12-00343-21	Gasket, Fuel Gauge	1
NS	58-04090-05	Door Assembly, Curb Side	1

13. FUEL FILTER



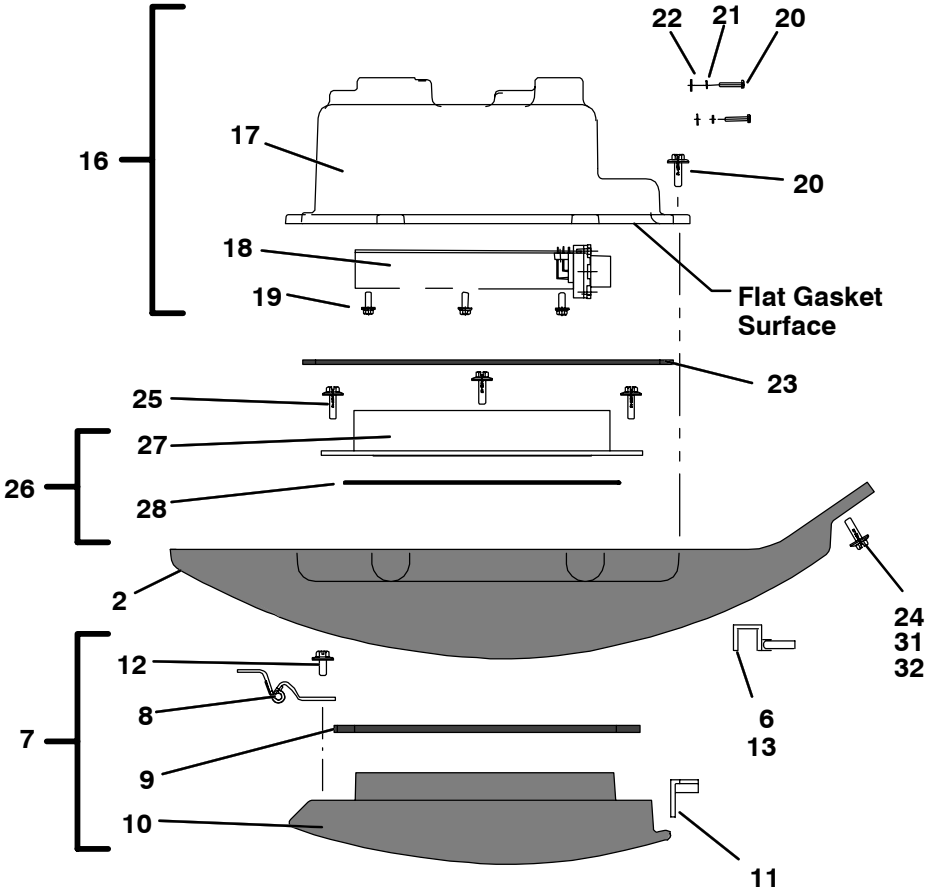
ITEM	PART NO.	DESCRIPTION	QTY
1	30-01089-00	Filter Assembly, Fuel (NSI) – Includes:	1
1	30-01089-01	Filter Assembly, Fuel – With Heater – Optional (NSI) – Includes:	1
2	30-00405-02	Head, Fuel Includes:	1
NS	30-01088-30	Nipple, Filter	1
3	30-01088-37	Fitting, Orifice (Fuel Bleed)	1
4	30-01078-03	Plug, Drain	1
5	30-01089-27	Gasket, Bowl	1
6	30-01088-33	Bowl, Fuel – **Without Heater**	1
6	30-01088-35	Bowl, Fuel **– With Heater** – Includes:	1
NS	NSS	Heater	1
NS	30-01078-08	O-Ring, Heater	1
7	30-01079-01	Filter, Fuel **– Prior to S/N DAW90273677(Bowl required)**	1
7	30-01090-00	Filter, Fuel **– Starting with S/N DAW90273677(Bowl not required)**	1
8	58-00507-00F50	Tube, Nylon (Black), 1/4 OD (50 ft to be cut to length)	A/R
9	58-00659-00F25	Tube, Nylon, 3/16 ID (25 ft to be cut to length)	A/R
10	44-00045-25	Clamp, Worm (Range – 3/16 to 5/8 OD)	1
11	58-01251-00F25	Tube, 5/16 ID (25 ft to be cut to length)	A/R
12	25-37594	Banjo, Injection Pump	1
13	25-37588-00	Bolt, Banjo	1
14	25-37589	Seal, Banjo	2
15	34-00944-10	Washer, Plain, M10 (NSI)	2
16	34-00304-10	Screw, Cap Hex Head, 3/8-16 x 1-1/4 lg, Grade 5 (NSI)	2
17	40-01156-00	Tee, 3/16 ID Hose x 1/4 Tube	1
18	58-00580-00F50	Tube, .375 OD (50 ft to be cut to length)	A/R
19	42-01133-00	Seal, Banjo, M14	4
20	25-37594	Banjo, Fuel Pump (Outlet)	1
21	25-38666-14	Bolt, Banjo	1
22	40-01153-00	Banjo, Fuel Pump (Inlet)	1
23	25-38666-12	Bolt, Banjo	1
24	30-50017-00	Orifice, Fuel Bleed, Replaceable (Located in bleed line)	1

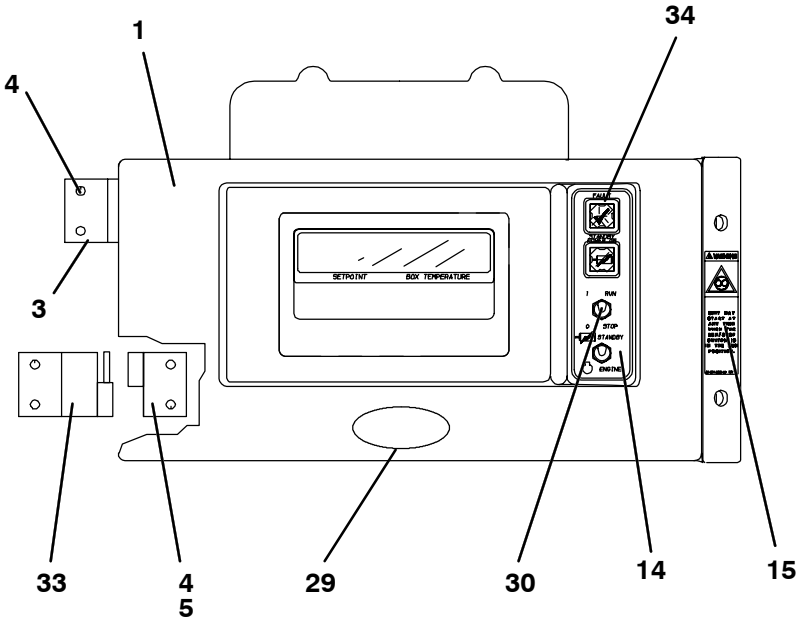
14. OIL FILTER AND BY-PASS OIL FILTER ASSEMBLIES



ITEM	PART NO.	DESCRIPTION	QTY
1	86-04056-00	Bracket Assembly, Mounting (Filter Head)	1
2	34-00300-10	Screw, Hex Head, 1/4-20 x 1-1/4, Grade 5 (NSI)	3
3	PL	Washer, Plain, 1/4 SAE	6
4	PL	Washer, Lock, 1/4	3
5	PL	Nut, Hex, 1/4-20	3
6	30-00325	Head, Oil Filter	1
7	30-00304	Filter, Oil (By-Pass)	1
8	40-00342-03	Elbow, Male, 3/8 Tube x 1/4 npt	2
9	40-00507-00	Connector, Male, 3/8 Tube x M12 x 1-1/2	1
10	58-00580-00F50	Tube, .375 OD (50 ft cut to length)	A/R
11	30-00323-00	Filter, Oil	1
12	25-37150	Adapter (For 30-00323-00 Filter)	1
13	40-00342-02	Elbow, Male, 3/8 Tube x 1/8 npt	1
14	12-00310-00	Switch, Oil Pressure	1
NS	22-50078-02SV	Connector, Female (Located on unit harness) (Mating part for oil pressure switch)	A/R

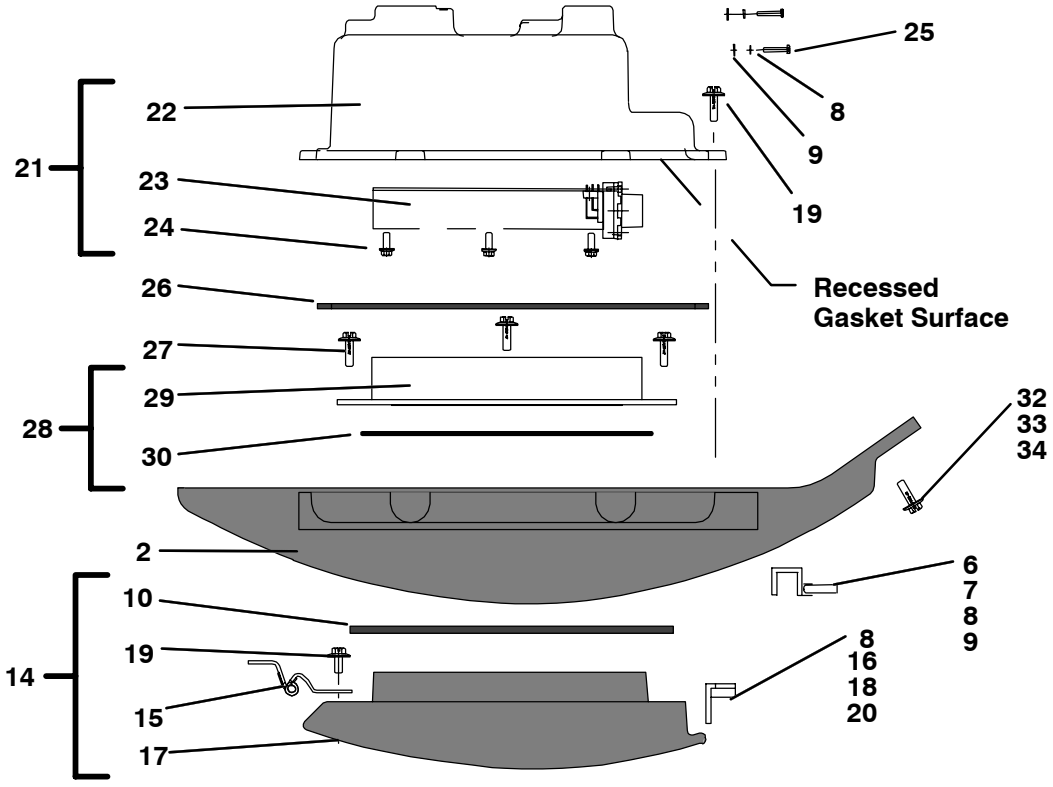
15. MICROPROCESSOR ASSEMBLY -- PRIOR TO S/N CAY90178292

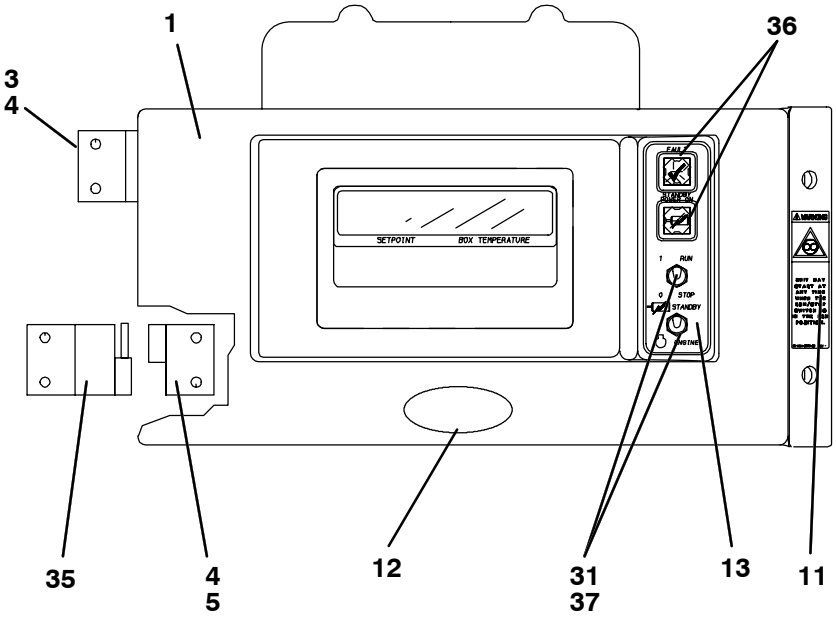




ITEM	PART NO.	DESCRIPTION	QTY
15. MICROPROCESSOR ASSEMBLY – PRIOR TO S/N CAY90178292			
–	NLO	Box Assembly, Control – Includes:	1
1	91-00262-21	Door Assembly, Control – Includes:	1
2	NSS	Door, Control	1
3	44-00334-00	Hinge Assembly, Door (Upper)	1
4	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer – SAE	4
5	44-00333-00	Hinge, Male	1
6	44-00331-00	Latch, Door, Keypad	1
13	34-00928-04	Rivet, Blind, .125 DIA. .251-.312 Grip Range – SST (NSI)	2
7	91-00262-20	Door Assembly, Keypad – Includes:	1
8	44-00335-00	Hinge, Keypad Door	1
9	42-00253-00	Gasket, Keypad Door	1
10	NSS	Door, Keypad	1
11	44-00332-00	Strike, Door Latch, Keypad	1
12	34-00917-08	Screw, Hex Head, #10-32 x 1/2 lg w/cap washer – SAE	2
13	34-00928-04	Rivet, Blind, .125 DIA. .251-.312 Grip Range – SST (NSI)	2
14	62-02448-00	Decal, Switch	1
15	62-02450-00	Decal, Warning (Auto Start)	1
16	91-00280-01	Logic Board Assembly (New) – Includes:	1
16	91-00280-21	Logic Board Assembly (Reman) – Includes:	1
17	NSS	Cover, Control – **Flat Gasket Surface**	1
18	NSS	Board, Logic	1
19	34-00996-08	Screw, Machine Hex Head, #8-32 x 1/2 (NSI)	8
20	34-06126-10	Screw, Hex Head, #4-40 x 5/8 – SST	6
21	34-00663-05	Washer, Lock, #4 – SST	6
22	34-00662-05	Washer, Plain, #4 – SST	6
23	42-00252-00	Gasket, Cover (Micro)	1
24	34-06127-00	Screw, Thumb (Black)	2
25	34-00917-12	Screw, Hex Head, #10-32 x 3/4 lg w/cap washer – SAE (NSI)	A/R
26	12-00307-00SV	Display Assembly, Key Pad – Includes:	1
27	NSS	Display Assembly, Keypad	1
NS	22-01641-00	Cable Assembly Ribbon	1
28	42-00251-00	O-Ring (Display Assembly)	1
29	62-02487-07	Decal, Carrier	1
30	10-00327-00	Switch, Toggle	1
31	34-01226-00	Washer, Retaining, Nylon	2
32	34-06089-00	Washer, Fender, Black	2
33	44-00333-01	Hinge, Female	1
34	22-01467-00	Lamp, Wedge Base	2
NS	22-50100-00	Pin, Female (Used on unit harness mating logic board plug)	A/R

16. MICROPROCESSOR ASSEMBLY -- STARTING WITH S/N CAY90178292

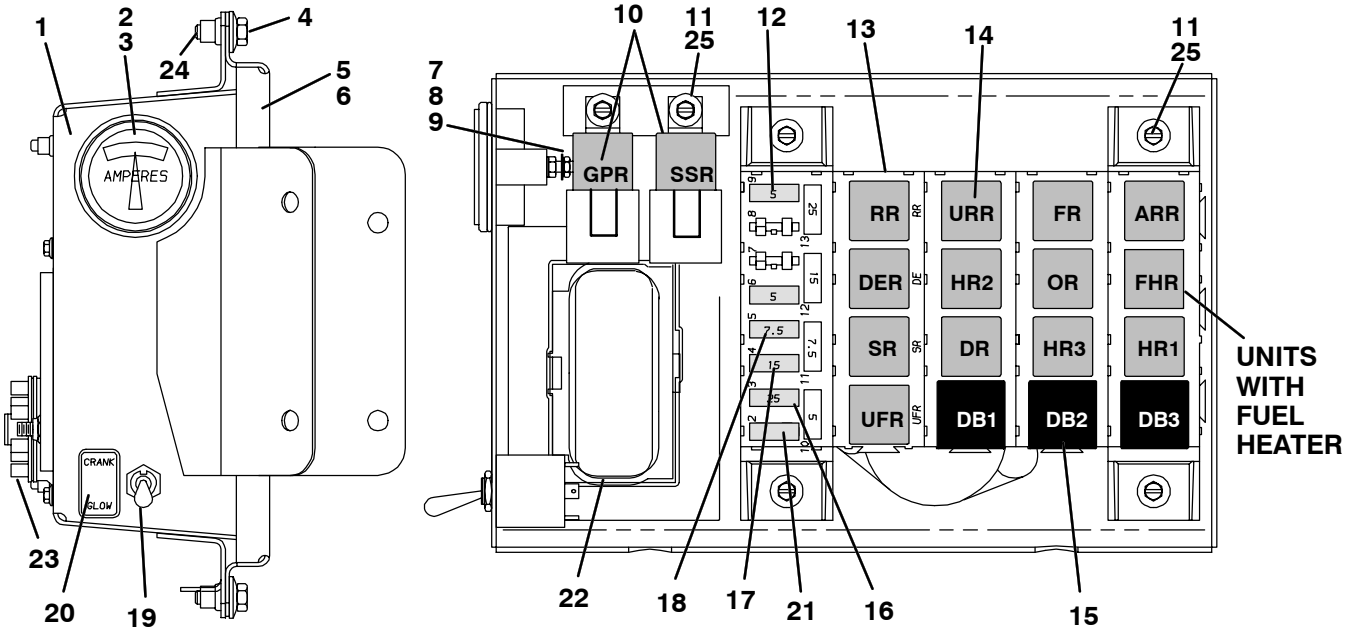




ITEM	PART NO.	DESCRIPTION	QTY
16. MICROPROCESSOR ASSEMBLY – STARTING WITH S/N CAY90178292			
–	91-00281-12	Box Assembly, Control – **NDA** – Includes: (NSI)	1
–	91-00281-13	Box Assembly, Control – **NDM** – Includes: (NSI)	1
1	79-01658-21	Door Assembly, Control – Includes:	1
2	NSS	Door, Control	1
3	44-00334-00	Hinge Assembly, Door (Upper)	1
4	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer – SAE	4
5	44-00333-00	Hinge, Male	1
6	44-00340-02	Latch, Door	1
7	34-06126-06	Screw, Hex Head, #4-40 x 3/8 lg – SST	2
8	34-00662-05	Washer, Plain #4 – SST	4
9	34-00663-05	Washer, Lock #4 – SST	2
10	42-00267-00	Gasket, Keypad Door	1
11	62-02450-00	Decal, Warning (Auto Start)	1
NS	58-00660-00	Washer, Condensate Drain	1
12	62-02487-07	Decal, Carrier	1
13	62-02448-00	Decal, Switch – **NDA**	1
13	62-02448-01	Decal, Switch – **NDM** (NSI)	1
14	79-01658-20	Door Assembly, Keypad – Includes:	1
8	34-00662-05	Washer, Plain #4 – SST	4
15	44-00351-00	Hinge, Keypad Door	1
16	34-00667-05	Nut, Lock #4-40 – SST	1
17	NSS	Door, Keypad	1
18	44-00340-01	Door Latch, Keypad	1
19	34-00917-08	Screw, Hex Head, #10-32 x 1/2 lg w/cap washer – SAE	2
20	34-06126-08	Screw, Hex Head, #4-40 x 1/2 lg – SST	2
NS	62-02449-00	Label, Operating Instructions (NSI)	1
21	91-00281-45	Logic Board Assembly (New) – Includes:	1
21	91-00281-65	Logic Board Assembly (Reman) – Includes:	1
8	34-00662-05	Washer, Plain, #4 – SST	6
9	34-00663-05	Washer, Lock, #4 – SST	6
22	NSS	Cover, Control – **Recessed Gasket Surface**	1
23	NSS	Board, Logic	1
24	34-00996-06	Screw, Hex Head, #8-32 x 3/8 lg w/cap washer (NSI)	8
25	34-06126-10	Screw, Hex Head, #4-40 x 5/8 lg – SST	6
26	42-00266-00	Gasket, Cover (Micro)	1
27	34-00917-08	Screw, Hex Head, #10-32 x 1/2 lg w/cap washer – SAE	16
28	12-00307-00SV	Display Assembly, Key Pad – Includes:	1
29	NSS	Display Assembly, Keypad	1
30	42-00251-00	O-Ring (Display Assembly)	1
NS	22-01641-00	Cable Assembly Ribbon	1
31	10-00327-00	Switch, Toggle	A/R
32	34-01226-00	Washer, Retaining, Nylon	2
NS	22-50100-00	Pin, Female (Used on unit harness mating logic board plug)	A/R
33	34-06089-00	Washer, Fender, Black	2
34	34-06025-08	Screw, Hex Head, #10-32 x 1 lg w/cap washer – SAE	2
35	44-00333-01	Hinge, Female	1
36	22-01467-00	Lamp, Wedge Base	2
37	58-04128-00	Boot (NSI)	A/R

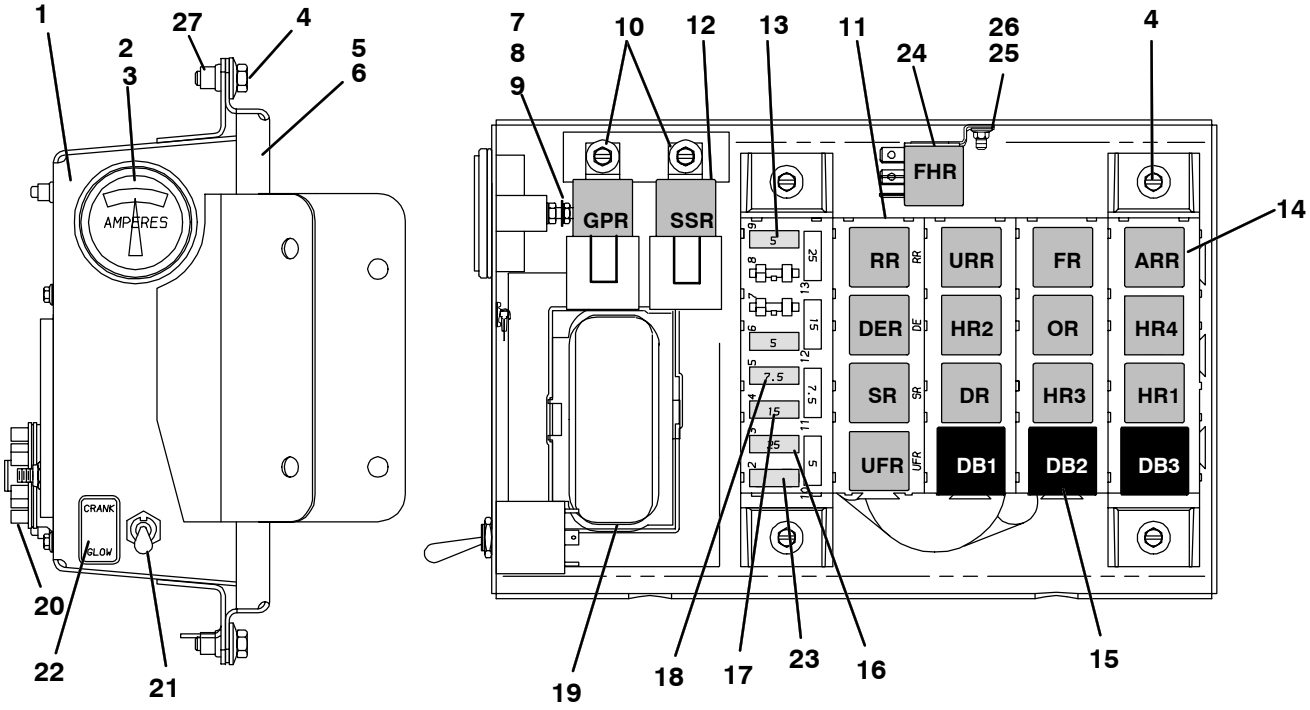
ITEM	PART NO.	DESCRIPTION	QTY

17. RELAY BOX ASSEMBLY – PRIOR TO S/N DAF90209264



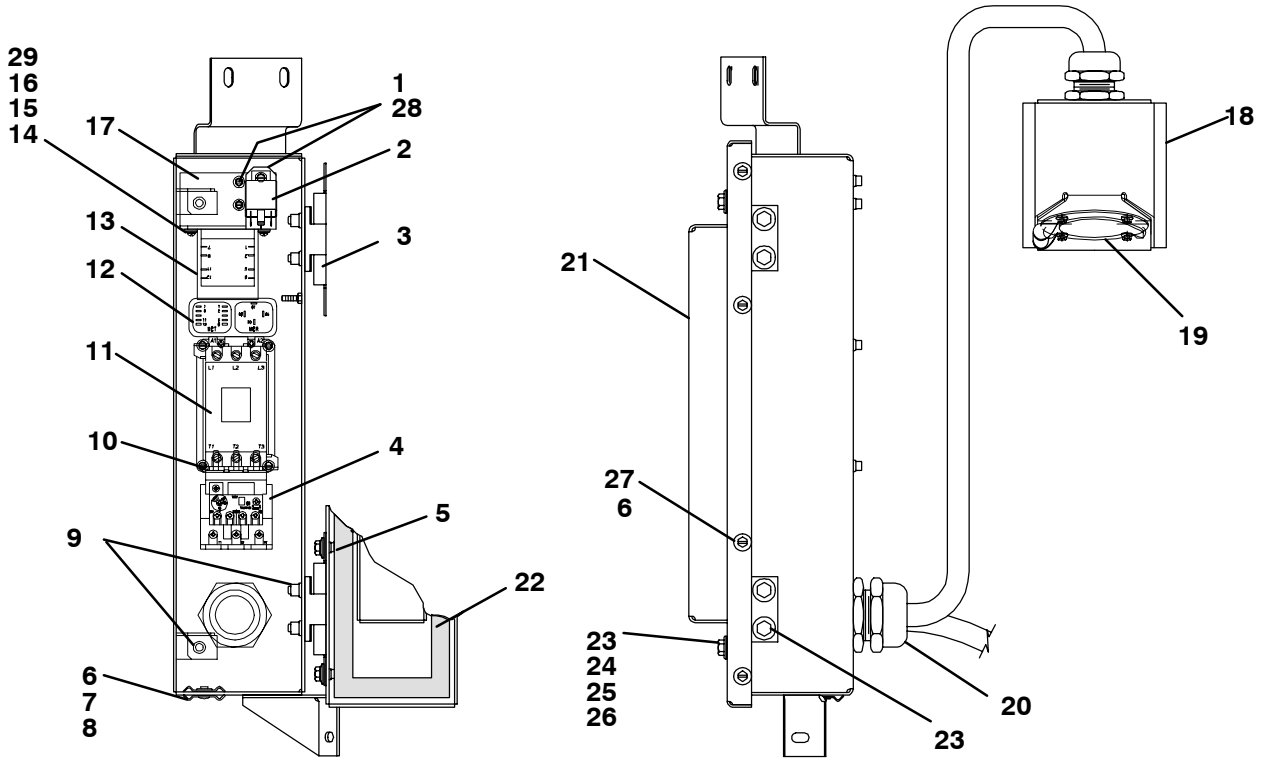
–	91-00263-00	Relay Box Assembly – **Units Without Fuel Heater** – Includes:	
–	91-00263-01	Relay Box Assembly – **Units With Fuel Heater** (NSI) – Includes:	
1	86-04039-00	Box Assembly, Relay (NSI)	1
2	22-00538-01	Ammeter, +60/–60 amps	1
3	42-00045-01	O-Ring, 1.987 ID	1
4	34-00918-06	Screw, Machine Hex Head, 1/4-20 x 3/4 w/cap washer	4
5	68-11580-00	Cover, Box (NSI)	1
6	42-00254-00	Gasket, Cover	1
7	PL	Nut, #10-32 – Brass	2
8	PL	Washer, Plain, #10 – Brass	2
9	34-00938-09	Washer, Lock, #10 – Brass	2
10	10-00328-00	Relay, 70 amp	2
11	PL	Screw, Machine Hex Head, #10-32 x 3/4 w/cap washer	A/R
12	22-02336-02	Fuse, 5 amp	3
13	22-02526-00	Module, Relay	1
14	10-00286-04	Relay, 40 amp	A/R
15	10-00319-00	Diode, Block (12 Volt)	3
16	22-02336-05	Fuse, 25 amp	2
17	22-02336-06	Fuse, 15 amp	2
18	22-02336-08	Fuse, 7.5 amp	2
19	10-01164-10	Switch, Toggle	1
20	62-02454-00	Decal, Switch (NSI)	1
21	22-02336-01	Fuse, 20 amp – **Units With Fuel Heater**	1
NS	22-02336-09	Fuse, 80 amp	1
NS	22-02338-00	Fuse Holder (10-12 AWG Wire) – **Units With Fuel Heater**	1
NS	22-02338-01	Fuse Holder (14-18 AWG Wire) – **Units With Fuel Heater**	1
NS	22-02336-04	Fuse, 10 amp – **Units With Electric Fuel Pump**	1
NS	22-50079-00	Fuse Holder, 80 amp	1
22	22-50078-11	Connector, Female (36 Pin) **(HC)** (NSI)	1
23	22-01565-00	Connector, Female (22 Pin) **(HC2)** (NSI)	1
24	34-06051-06	Rivnut, 1/4-20	4
25	34-06051-04	Rivnut, #10-32	6

18. RELAY BOX ASSEMBLY -- STARTING WITH S/N DAF90209264



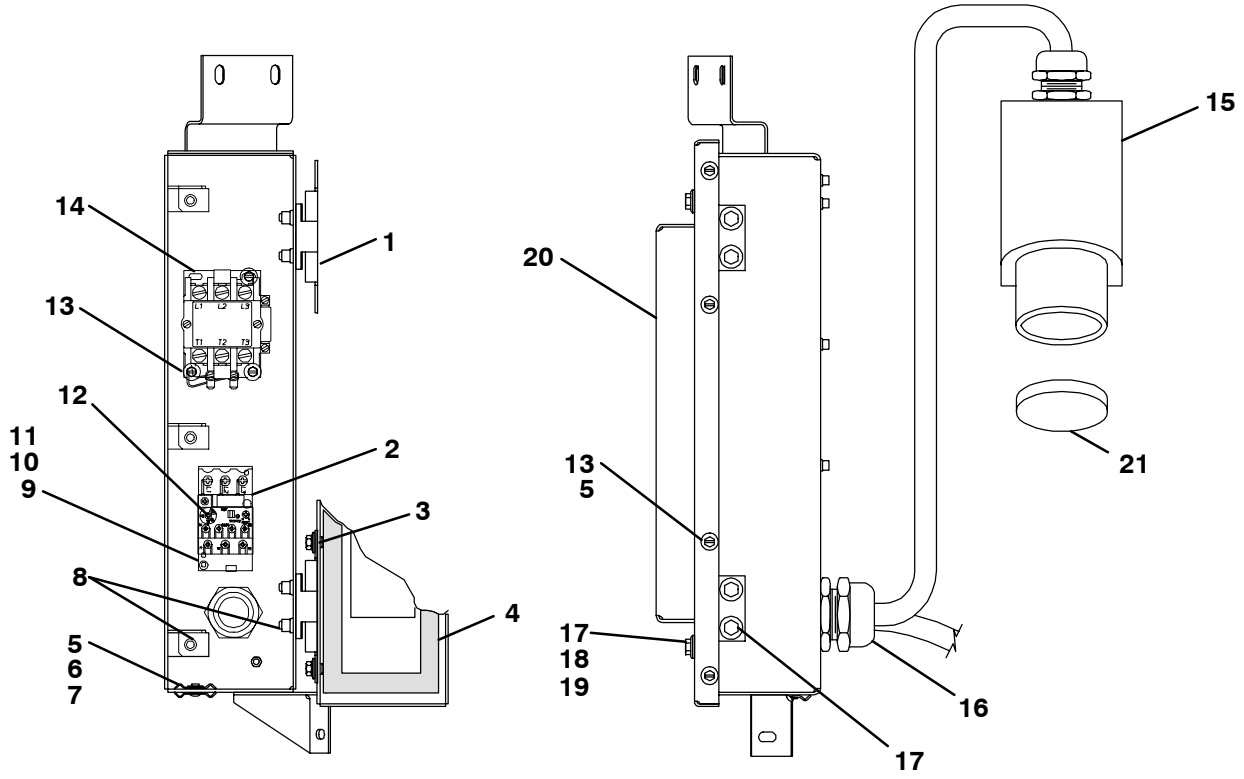
ITEM	PART NO.	DESCRIPTION	QTY
–	91-00263-06	Relay Box Assembly – **Units Without Fuel Heater** (NSI) – Includes:	
–	91-00263-07	Relay Box Assembly – **Units With Fuel Heater** (NSI) – Includes:	
1	86-04039-01	Box Assembly, Relay (NSI)	1
2	22-00538-01	Ammeter, +60/–60 amps	1
3	42-00045-01	O-Ring, 1.987 ID	1
4	34-00918-06	Screw, Machine Hex Head, 1/4-20 x 3/4 w/cap washer	4
5	68-11580-00	Cover, Box (NSI)	1
6	42-00254-00	Gasket, Cover	1
7	PL	Nut, #10-32 – Brass	2
8	PL	Washer, Plain, #10 – Brass	2
9	34-00938-09	Washer, Lock, #10 – Brass	2
10	PL	Screw, Machine Hex Head, #10-32 x 3/4 w/cap washer	A/R
11	22-01688-00	Module, Relay (NSI)	1
12	10-00328-00	Relay, 70 amp	2
13	22-02336-02	Fuse, 5 amp	3
14	10-00286-04	Relay, 40 amp	12
15	10-00319-00	Diode, Block (12 Volt)	3
16	22-02336-05	Fuse, 25 amp	2
17	22-02336-06	Fuse, 15 amp	2
18	22-02336-08	Fuse, 7.5 amp	2
NS	22-02336-09	Fuse, 80 amp	1
NS	22-50079-00	Fuse Holder, 80 amp	1
19	22-50078-11	Connector, Female (36 Pin) **(HC)** (NSI)	1
20	22-01565-00	Connector, Female (22 Pin) **(HC2)** (NSI)	1
21	10-01164-10	Switch, Toggle	1
22	62-02454-00	Decal, Switch (NSI)	1
23	22-02336-01	Fuse, 20 amp – **Units With Fuel Heater**	1
24	10-00286-03	Relay – **Units With Fuel Heater**	1
NS	22-02338-00	Fuse Holder (10-12 AWG Wire) – **Units With Fuel Heater**	1
NS	22-02338-01	Fuse Holder (14-18 AWG Wire) – **Units With Fuel Heater**	1
25	PL	Nut, Lock, #10-32	1
26	PL	Washer, Plain, #10	1
27	34-06051-06	Rivnut, 1/4-20	4
28	34-06051-04	Rivnut, #10-32	6
NS	22-02336-04	Fuse, 10 amp – **Units With Electric Fuel Pump**	1

19. STANDBY BOX ASSEMBLY – 230 VOLT



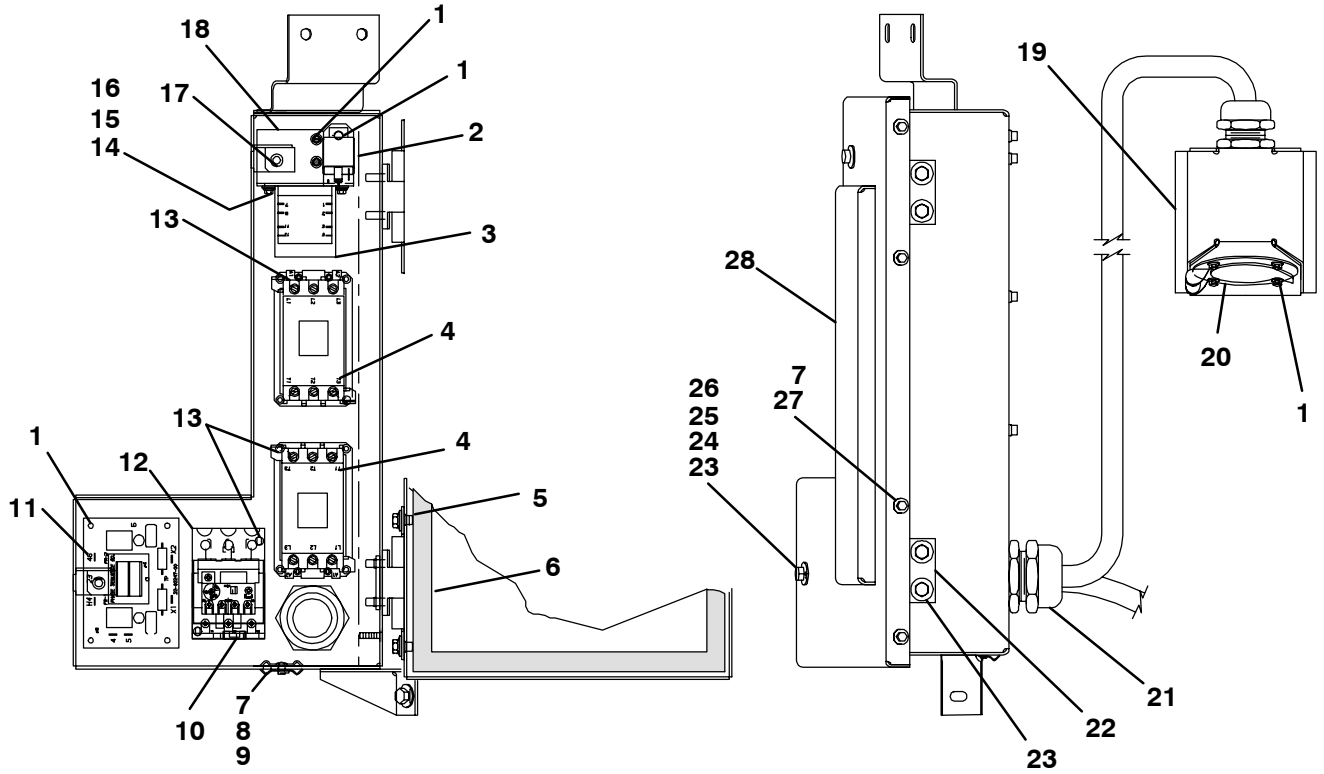
ITEM	PART NO.	DESCRIPTION	QTY
–	91-00267-01	Box Assembly (230 Volt, 60 hz) (NSI) – Includes:	
1	34-00996-08	Screw, Hex Head, #8-32 x 1/2 lg w/cap washer (NSI)	7
2	10-00286-00	Relay	1
3	44-00342-00	Hinge	1
4	10-00335-00	Relay, Overload	1
5	34-00360-09	Nut, Lock, #10-32 (NSI)	4
6	PL	Washer, Plain, #10	5
7	PL	Rivet, Blind .188 Dia, .062-.250 Grip Range	1
8	58-00660-00	Washer, Plastic, Condensate Drain	2
9	34-06051-06	Rivnut, 1/4-20	6
10	34-00996-16	Screw, Hex Head, #8-32 x 1 lg w/cap washer (NSI)	4
11	10-00334-00	Contactor, 45 amp, a pole	1
12	62-02511-00	Decal (NSI)	1
13	10-00356-00	Transformer, Dual Voltage	1
14	PL	Washer, Plain, #6	2
15	PL	Washer, Lock, #6	2
16	PL	Screw, Round Head, #6-32 x 1/2 lg	2
17	68-11811-00	Bracket (NSI)	1
18	86-04070-00	Box Assembly, 230 Volt Plug	1
19	22-01132-03	Receptacle (Female) 250 volt, 50 amp, 3 phase	1
20	22-01695-00	Harness, Standby (230v) (NSI)	1
21	79-01662-00	Door Assembly – Includes:	1
22	42-00268-00	Gasket, Door (NSI)	1
23	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer – SAE	A/R
24	34-01226-00	Washer, Retaining, Nylon	2
25	58-00511-09	Washer, Flat, Nylon	2
26	58-00916-00	Washer, Rubber	2
27	PL	Screw, Hex Head, #10-32 x 3/4 lg w/cap washer – SAE	4
28	34-06051-01	Rivnut, #8-32 (NSI)	A/R
29	34-06051-00	Rivnut, #6-32 (NSI)	2
NS	22-01131-03	Plug, Female, 250 volts, 50 amps, 3 phase	1
NS	62-02506-01	Decal, Danger (NSI)	1
NS	62-02255-00	Decal, Voltage (NSI)	1
NS	42-00282-00	Gasket, 230 Volt Plug	1

20. STANDBY BOX ASSEMBLY – 380 VOLT



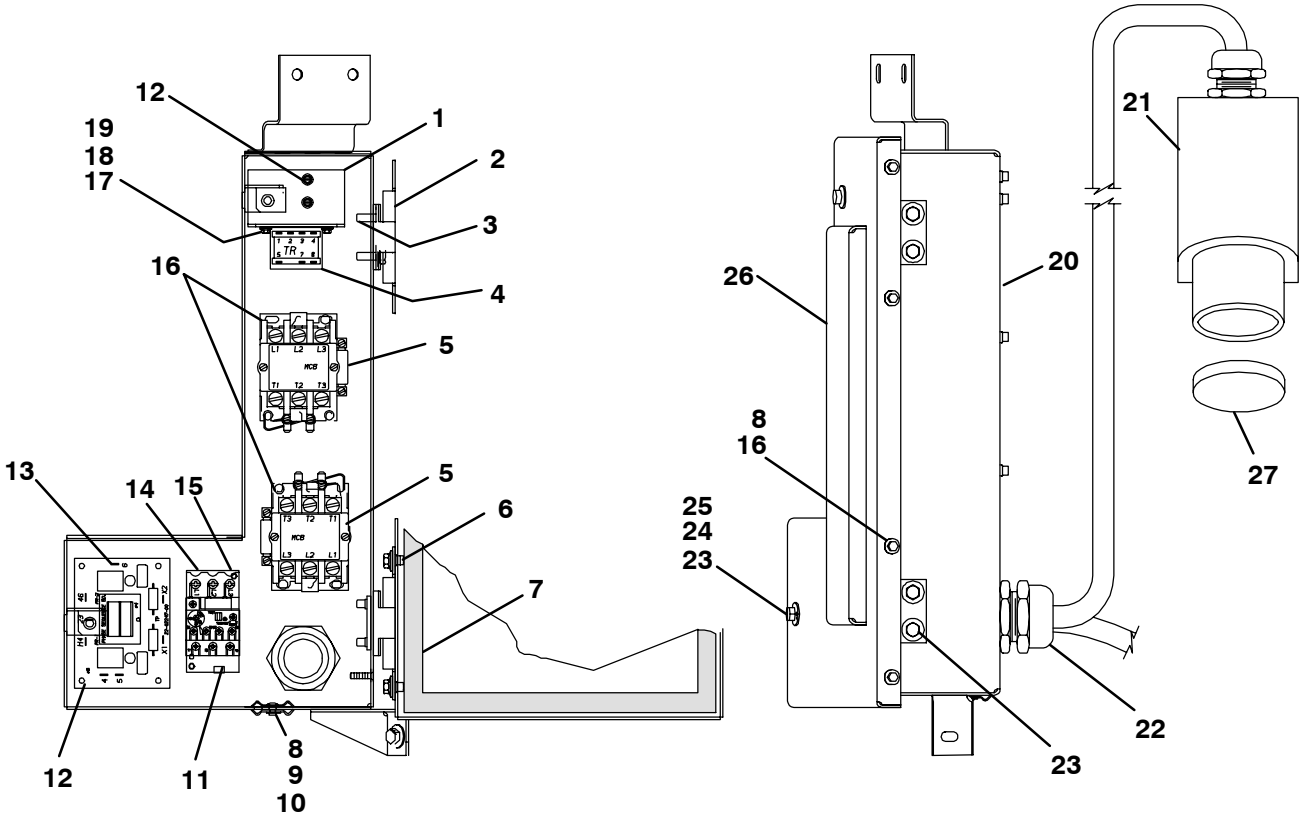
ITEM	PART NO.	DESCRIPTION	QTY
–	91-00266-01	Box Assembly (380 Volt, 50 hz) (NSI) – Includes:	
1	44-00342-00	Hinge	2
2	10-00351-00	Relay Overload Base	1
3	34-00360-09	Nut, Lock, #10-32 (NSI)	4
4	42-00268-00	Gasket, Door (NSI)	1
5	PL	Washer, Plain, #10	5
6	PL	Rivet, Blind .188 Dia, .062-.250 Grip Range	1
7	58-00660-00	Washer, Plastic, Condensate Drain	2
8	34-06051-06	Rivnut, 1/4-20	6
9	PL	Washer, Plain, #4	2
10	PL	Screw, Round Head, #4-40 x 7/8 lg	2
11	PL	Washer, Lock, #4	2
12	10-00350-00	Relay, Overload	1
13	34-00917-12	Screw, Hex Head, #10-32 x 3/4 lg w/cap washer – SAE (NSI)	7
14	10-00279-00	Contactor, 40 amp, 4 pole	1
15	22-01658-00	Plug, Power, 380-3-50 hz (NSI)	1
16	22-01686-00	Harness, Standby (380v) (NSI)	1
17	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer – SAE	7
18	58-00511-09	Washer, Flat, Nylon	2
19	58-00916-00	Washer, Rubber	2
20	68-11662-00	Door (NSI)	1
NS	22-01513-00	Plug	1
NS	62-02506-00	Decal, Danger (NSI)	1
NS	62-02255-01	Decal, Voltage (NSI)	1
21	22-01659-00	Cap, Seal, 380 Volt Plug (NSI)	1

21. STANDBY BOX ASSEMBLY – 200 & 230 VOLT PHASE REVERSAL



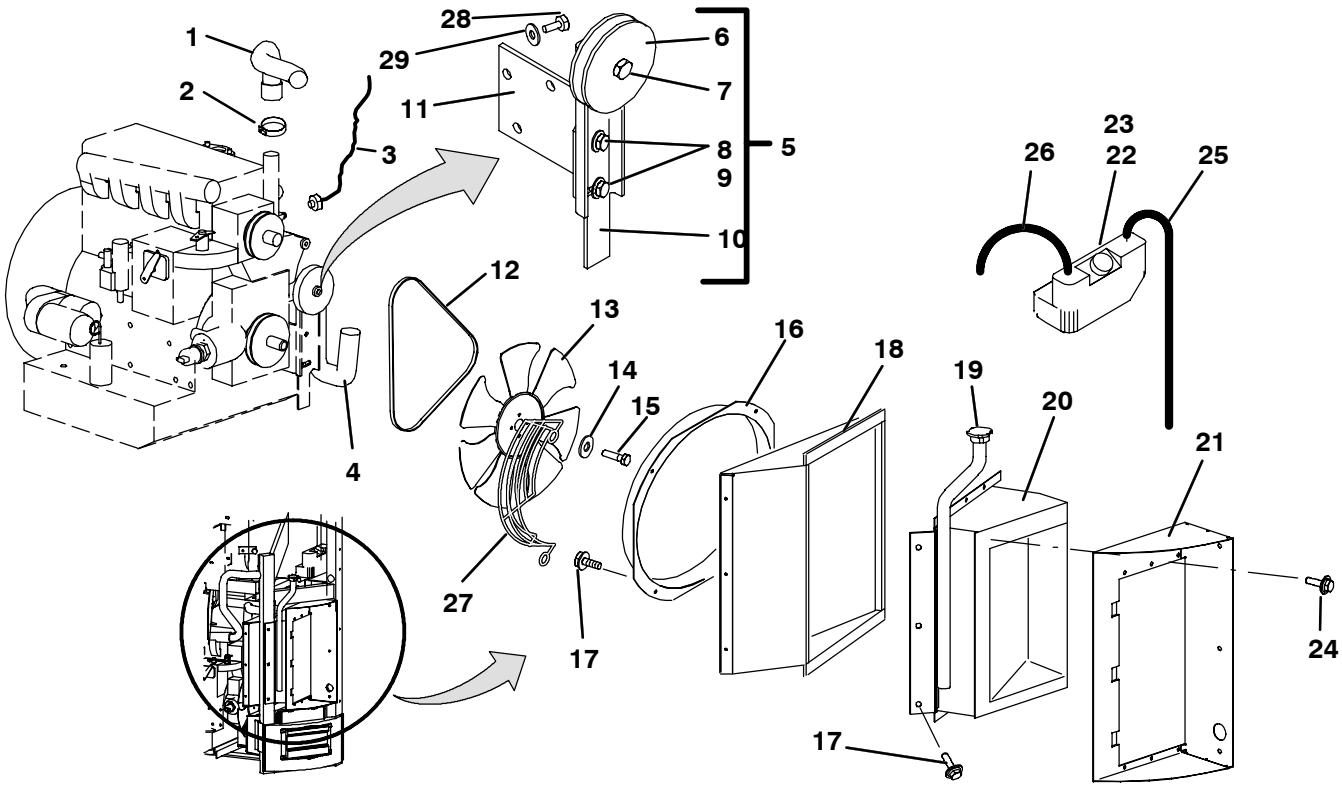
ITEM	PART NO.	DESCRIPTION	QTY
–	91-00269-01	Box Assembly (230 Volt Phase Reversal, Std) (NSI) – Includes:	
–	91-00269-02	Box Assembly (200 Volt Phase Reversal, Special) (NSI) – Includes:	
1	34-00996-08	Screw, Hex Head, #8-32 x 1/2 lg w/cap washer (NSI)	11
2	10-00286-00	Relay	1
NS	62-02511-00	Decal (MCR/TR) (NSI)	1
3	10-00356-00	Transformer, Dual Voltage	1
4	10-00334-00	Contactor, 45 amp, 4 pole	2
5	34-00360-09	Nut, Lock, #10-32 (NSI)	4
6	42-00284-00	Gasket, Door (NSI)	1
7	PL	Washer, Plain, #10	5
8	PL	Rivet, Blind .188 Dia, .062-.250 Grip Range	1
9	58-00660-00	Washer, Plastic, Condensate Drain	2
10	10-00335-00	Relay, Overload	1
11	22-02247	Circuit Board, Phase Reversal	1
12	10-00341-00	Base, Relay	1
13	34-00996-16	Screw, Hex Head, #8-32 x 1 lg w/cap washer (NSI)	4
14	PL	Screw, Round Head, #6-32 x 1/2 lg	2
15	PL	Washer, Lock, #6	2
16	PL	Washer, Plain, #6	2
17	34-06051-06	Rivnut, 1/4-20	6
18	68-11681-00	Bracket (NSI)	1
19	86-04070-00	Box Assembly	1
20	22-01658-00	Connector Assembly, 250 volt, 50 amp, 3 phase (NSI)	1
21	22-01671-00	Harness, Phase Reversal/Standby (230v) (NSI)	1
22	44-00342-00	Hinge	2
23	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer – SAE	6
24	34-01226-00	Washer, Retaining, Nylon	2
25	58-00511-09	Washer, Flat, Nylon	2
26	58-00916-00	Washer, Rubber	2
27	34-00917-12	Screw, Hex Head, #10-32 x 3/4 lg w/cap washer – SAE (NSI)	4
28	86-04087-00	Door Assembly (NSI)	1
NS	42-00282-00	Gasket, 230 Volt Plug	1

22. STANDBY BOX ASSEMBLY -- 380 VOLT PHASE REVERSAL



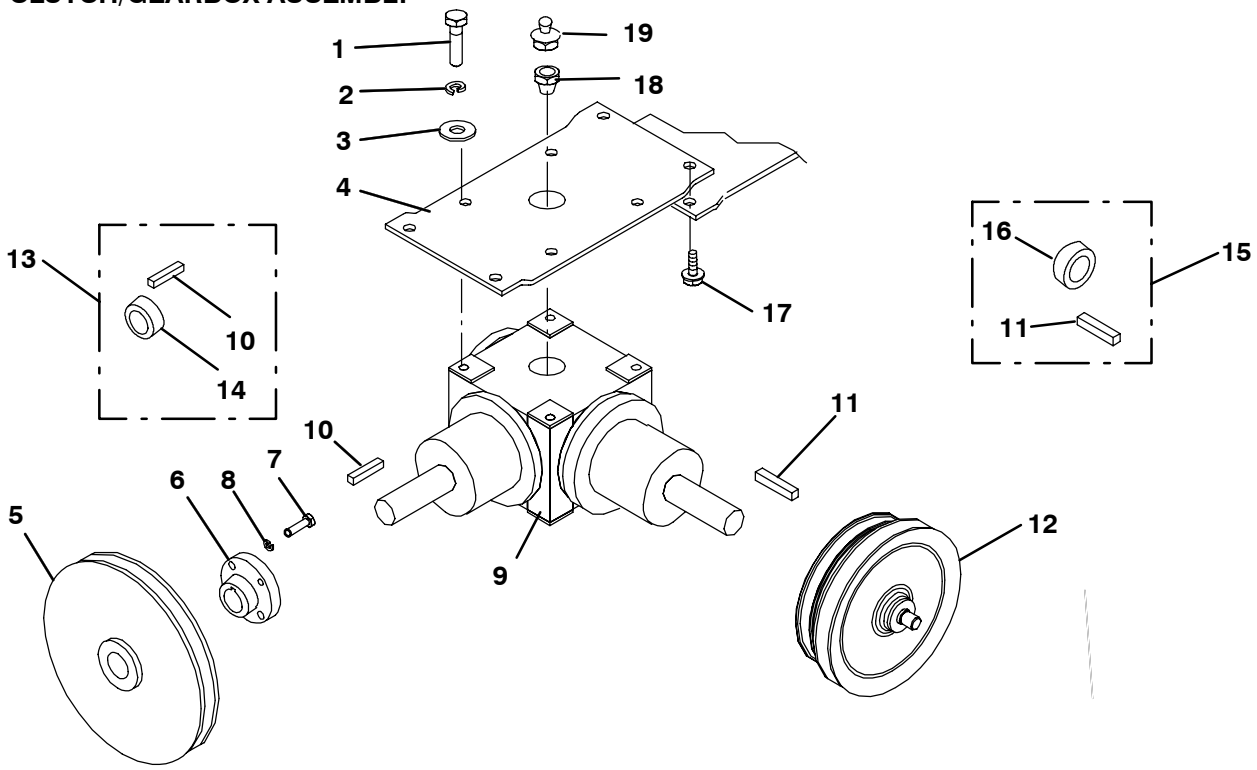
ITEM	PART NO.	DESCRIPTION	QTY
–	91-00272-00	Box Assembly (380 Volt Phase Reversal) (NSI) – Includes:	
1	68-11779-00	Bracket (NSI)	1
2	44-00342-00	Hinge	2
3	34-06051-06	Rivnut, 1/4-20	6
4	10-00283-00	Transformer, Dual Voltage	1
5	10-00279-00	Contactor, 40 amp, 4 pole	2
6	34-00360-09	Nut, Lock, #10-32 (NSI)	4
7	42-00284-00	Gasket, Door (NSI)	1
8	PL	Washer, Plain, #10	5
9	PL	Rivet, Blind .188 Dia, .062-.250 Grip Range	1
10	58-00660-00	Washer, Plastic, Condensate Drain	2
11	10-00350-00	Relay, Overload	1
12	34-00996-08	Screw, Hex Head, #8-32 x 1/2 lg w/cap washer (NSI)	A/R
13	22-02247-00	Circuit Board, Phase Reversal	1
14	10-00351-00	Relay Overload Base	1
15	PL	Screw, Round Head, #4-40 x 7/8 lg	2
16	34-00917-12	Screw, Hex Head, #10-32 x 3/4 lg w/cap washer – SAE (NSI)	10
17	PL	Screw, Round Head, #6-32 x 1/2 lg	2
18	PL	Washer, Lock, #6	2
19	PL	Washer, Plain, #6	2
20	86-04091-00	Box Assembly (NSI)	1
21	22-01658-00	Plug, Male (Receptacle) 380 volt, 50 amp, 3 phase (NSI)	1
22	22-01682-00	Harness, Phase Reversal/Standby (380v) (NSI)	1
23	34-00918-06	Screw, Hex Head, 1/4-20 x 3/4 lg w/cap washer – SAE	6
24	58-00511-09	Washer, Flat, Nylon	2
25	58-00916-00	Washer, Rubber	2
26	86-04100-00	Door Assembly (NSI)	1
NS	62-02574-00	Decal (TR) (NSI)	1
NS	22-01658-00	Plug, 380-3-50HZ (NSI)	1
27	22-01659-00	Cap, Seal, 380 Volt Plug (NSI)	1

23. COOLANT SYSTEM



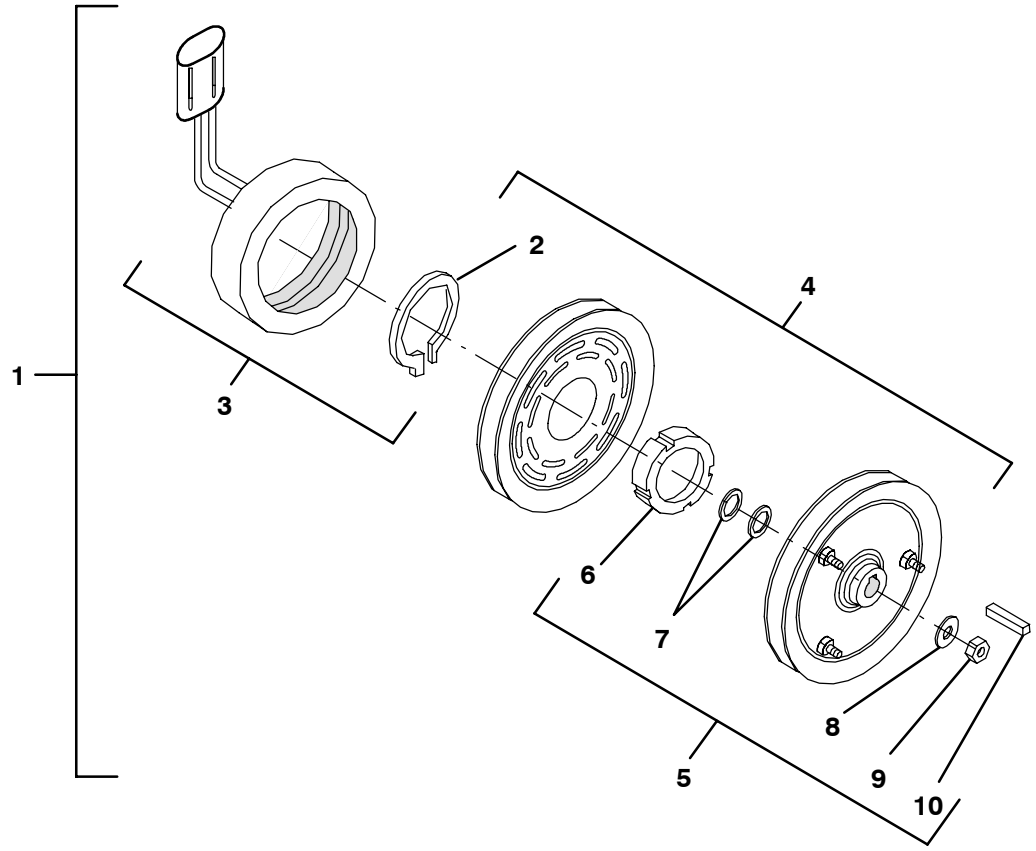
ITEM	PART NO.	DESCRIPTION	QTY
23. COOLANT SYSTEM			
1	58-04080-00	Hose Radiator, Inlet – **Rubber**	1
1	58-04080-01	Hose Radiator, Inlet – **Silicone**	1
2	44-00045-03	Clamp, Hose – **Use with rubber hoses**	4
2	44-01140-00	Clamp, Hose – **Use with silicone hoses**	4
3	12-00312-00	Sensor, Water Temperature	1
4	58-04079-00	Hose, Radiator, Outlet – **Rubber**	1
4	58-04079-01	Hose, Radiator, Outlet – **Silicone**	1
5	50-00213-00	Idler Assembly, Water Pump – Includes:	1
6	48-00058-01	Pulley Assembly, Idler – Includes:	1
NS	04-00018	Bearing	1
NS	NSS	Ring, Retaining	1
NS	48-00058-05	Spacer, Pulley	1
7	48-00058-02	Bolt, Shoulder, 7/16-20	1
8	PL	Screw, Cap Hex Head, 3/8-16 x1	2
9	PL	Washer, Lock, 3/8	2
10	50-00213-04	Lever Assembly	1
11	50-00213-07	Bracket Assembly	1
12	50-00162-04	V-Belt, Water Pump	1
13	38-00152-00	Fan, Radiator Cooling	1
14	34-00945-06	Washer, Lock, M6 Spring (NSI)	4
15	34-00967-25	Screw, Hex Head, M6 x 25 mm (NSI)	4
16	68-11629-00	Orifice, Ring	1
17	34-00918-06	Screw, Machine, Hex Head, 1/4-20 x 3/4 w/cap washer	A/R
18	79-02259-00	Plenum Assembly	1
19	30-00397-00	Cap, Radiator	1
20	08-00181-00	Coil Assembly, Radiator	1
21	79-02263-00	Plenum Assembly	1
22	58-01291-00SV	Bottle, Coolant Recovery – Includes:	1
23	58-00743	Cap, Radiator Coolant Recovery Bottle	1
NS	68-07144-00	Bracket, Coolant Recovery Bottle (NSI)	1
24	34-06130-00	Screw, Thread Cut, #10-32 x 1/2 (NSI)	6
25	PL	Tube, Clear,1/8 ID x 49 inches lg	A/R
26	PL	Tube, Clear, 5/16 ID x 16 inches lg	A/R
27	68-11558-00	Guard, Fan	1
28	34-00962-25	Screw, M12 x 25 mm	3
29	34-00945-12	Washer, Lock, M12	3
NS	68-11565-00	Bracket, Coolant Recovery Bottle (NSI)	1

24. CLUTCH/GEARBOX ASSEMBLY



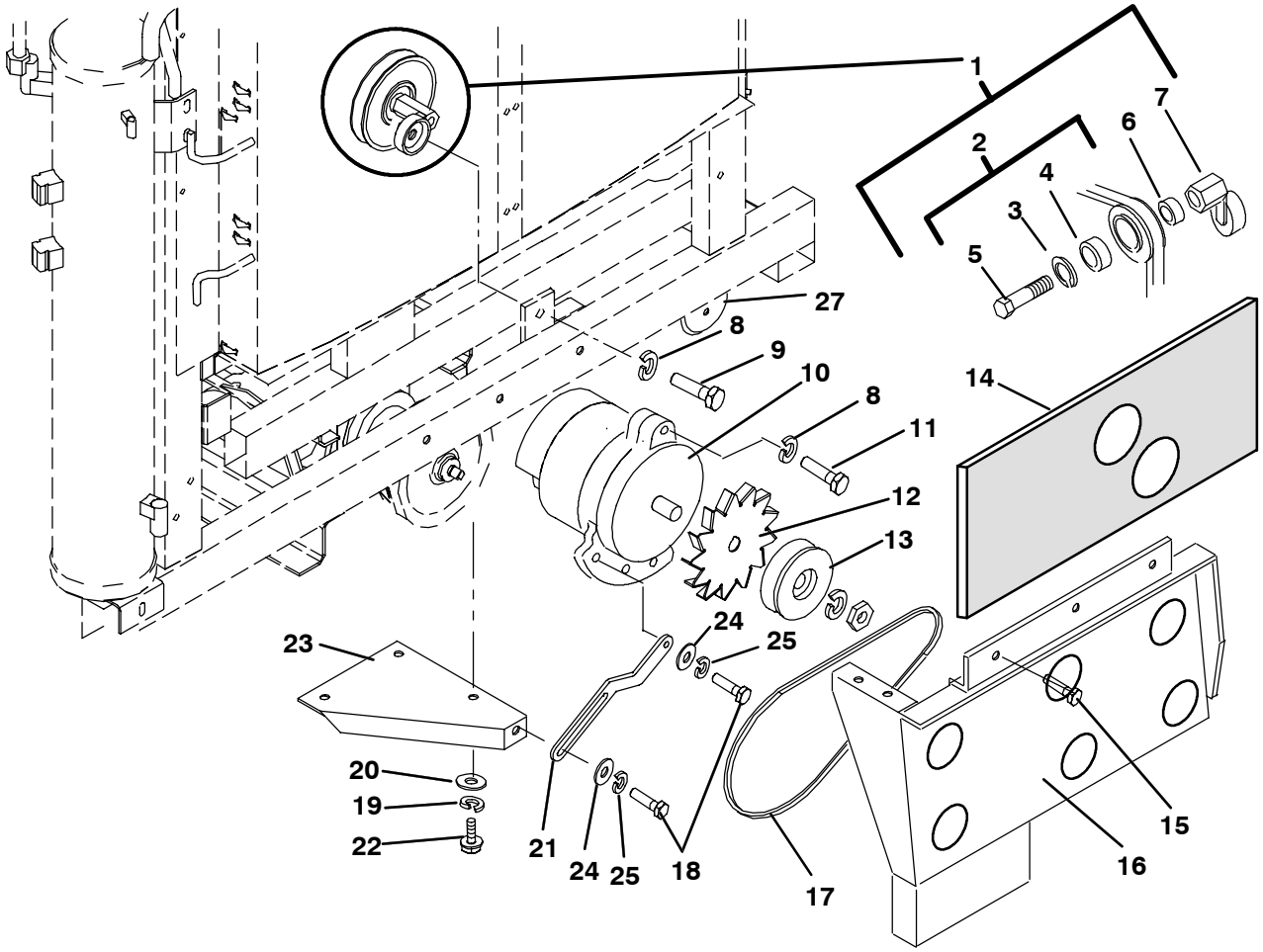
ITEM	PART NO.	DESCRIPTION	QTY
1	34-00304-08	Screw, Hex Head, 3/8-16 x 1 Grade 5	4
2	PL	Washer, Lock, 3/8	4
3	PL	Washer, Plain, 3/8	4
4	86-02798-01	Bracket, Mounting Plate	1
5	50-00212-00	Sheave, Single Groove, 7-3/4″ OD (2 bolt) **Prior to S/N DAJ90226875**	1
6	04-00122-13	Bushing, Split Taper (2 bolt) **Prior to S/N DAJ90226875** – Includes:	1
7	PL	Screw, Hex Head, 1/4-20 x 3/4 lg, SAE Grade 5	3
5	50-00224-00	Sheave, Single Groove, 7-3/4″ OD (3 bolt) **Starting with S/N DAJ90226875**	1
6	04-00058-00	Bushing, Split Taper (3 bolt) **Starting with S/N DAJ90226875**	1
8	PL	Washer, Lock,1/4	2
9	50-00214-00	Gearbox Assembly – Includes:	1
10	34-01110	Key, Shaft, 1/4 Square x 1-1/2 lg	1
NS	50-00214-39	O-Ring 3	
11	34-00672-00	Key, Shaft, 3/16 Square x 5/8 lg (1-1/4 lg, cut to length)	1
12	–	Clutch Assembly – Refer to Section 25	1
13	50-00214-38SV	Seal, Shaft (Drive) – Includes:	1
14	NSS	Seal, Shaft (Drive) – Refer to Item 13	1
10	34-01110	Key, Shaft, 1/4 Square x 1-1/2 lg(3 lg, cut to length)	1
15	50-00214-44SV	Seal, Shaft (Clutch) – Includes:	1
16	NSS	Seal, Shaft (Clutch) – Refer to Item 15	1
11	34-00672-00	Key, Shaft, 3/16 Square x 5/8 lg (1-1/4 lg, cut to length)	1
17	34-00919-08	Screw, Hex Head, 5/16-18 x 1 lg w/cap washer – SAE Grade 8 (NSI)	4
18	40-00121-01	Bushing	1
19	40-00508-00	Valve, Pressure Relief	2
NS	07-00308-00	Tool, Seal Pilot Sleeve, Special (For Gearbox Clutch Shaft Seal)	–
NS	07-00309-00	Tool, Seal Pilot Sleeve, Special (For Gearbox Drive Shaft Seal)	–
NS	07-00310-00	Tool, Seal Driver, Special (For Gearbox Drive Shaft Seal)	–
NS	07-00311-00	Tool, Seal Driver, Special (For Gearbox Clutch Shaft Seal)	–

25. CLUTCH ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY
1	50-00215-01SV	Clutch Assembly – Includes:	1
2	50-00215-24	Ring, Retaining (External)	1
3	50-00215-25SV	Coil Assembly, Field – Includes:	1
4	50-00215-21SV	Rotor Assembly with Bearing – Includes:	1
5	50-00215-23	Package, Accessory – Includes:	1
6	50-00215-22	Nut, Special (Rotor Retaining)	1
7	NSS	Shim	1
8	NSS	Washer, Flat	1
9	NSS	Nut, Lock (Armature Retaining)	1
10	NSS	Key, Shaft, 3/16 Square x 5/8 lg	1
2	50-00215-24	Ring, Retaining (External)	1
10	34-00672-00	Key, Shaft, 3/16 Square x 5/8 lg (1-1/4 lg, cut to length)	1
NS	07-00303-01	Tool, Nut Wrench, Special (For Removal of Item 6)	–

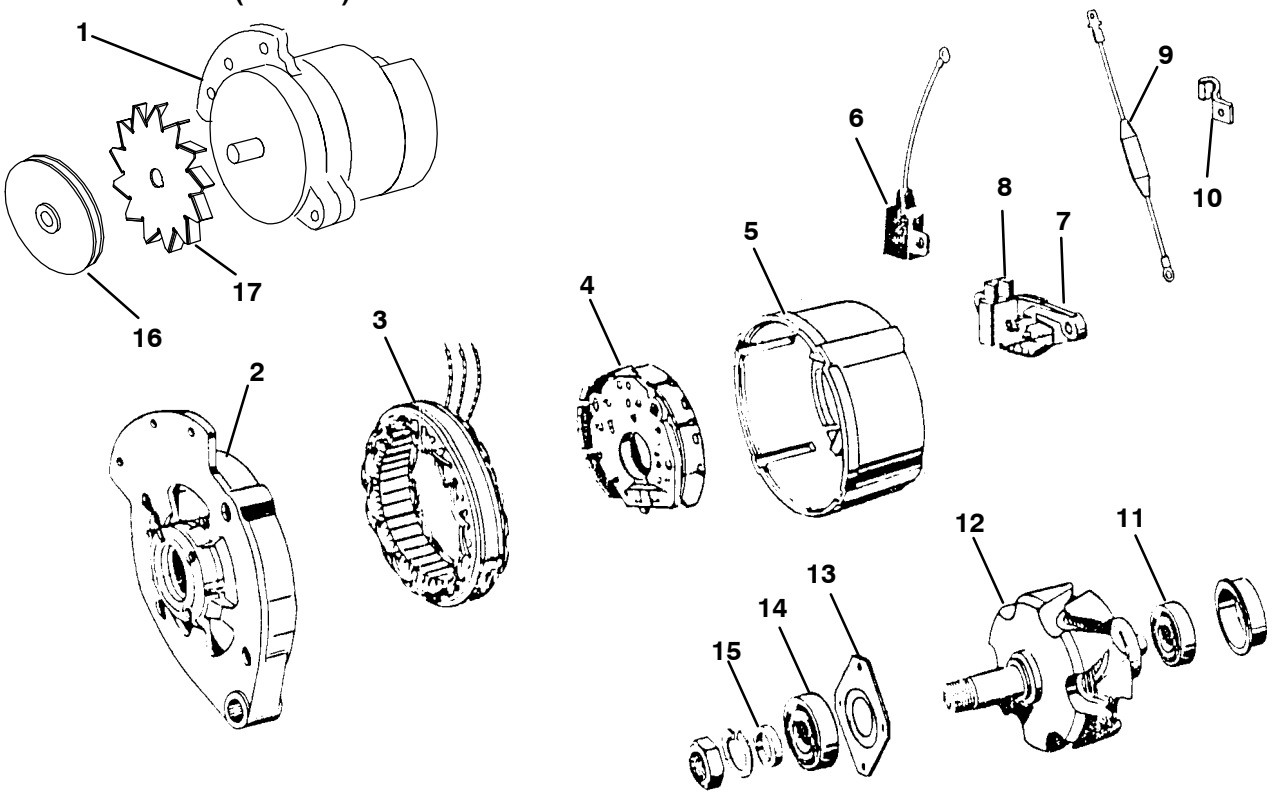
26. ALTERNATOR SECTION AND RELATED COMPONENTS



26. ALTERNATOR SECTION AND RELATED COMPONENTS

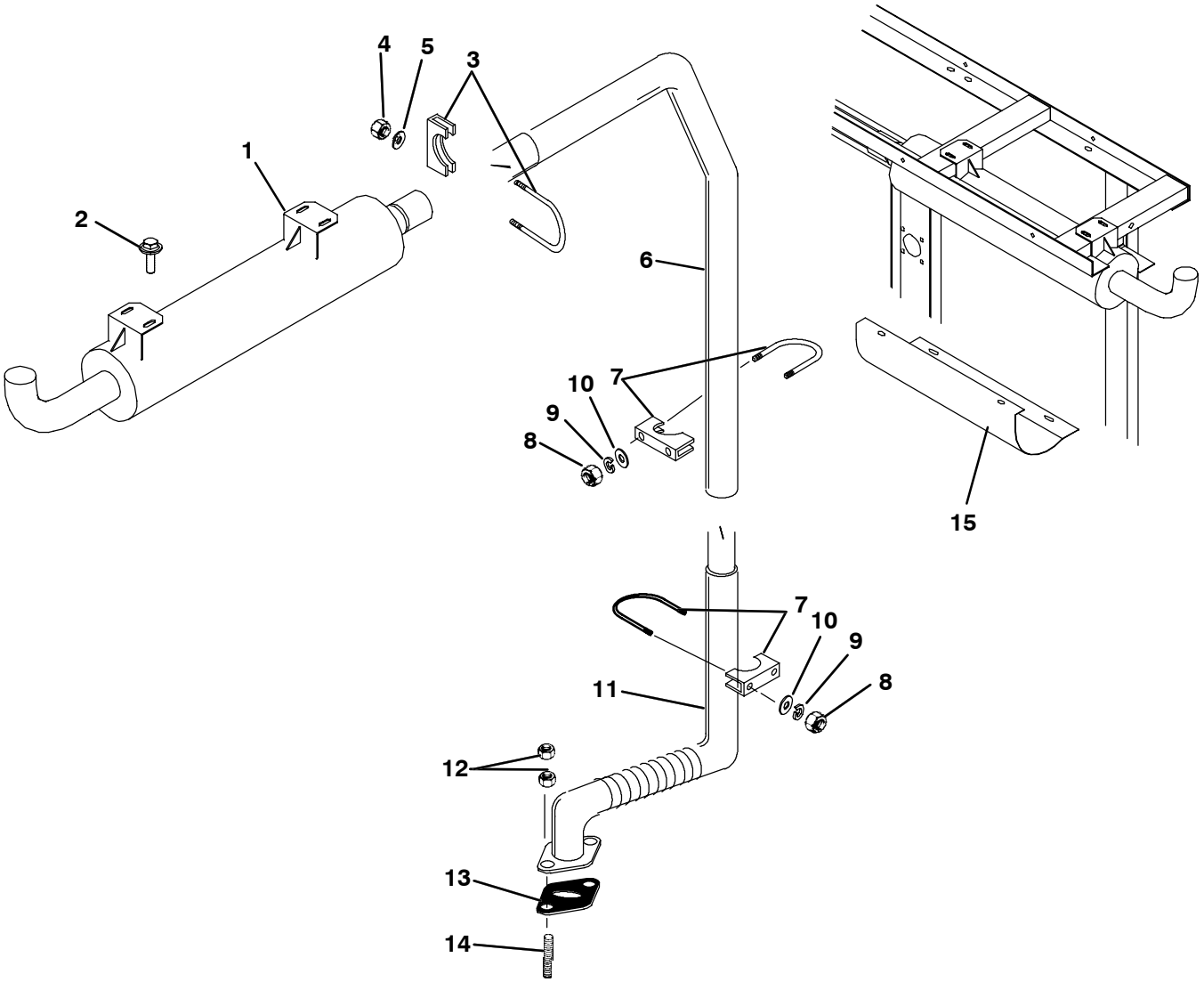
ITEM	PART NO.	DESCRIPTION	QTY
1	50-00207-00	Pulley Assembly, Eccentric Idler – Includes:	1
2	48-00058-26	Pulley Assembly – Includes:	1
3	NSS	Ring, Retaining	1
4	04-00018	Bearing	1
5	48-00058-02	Bolt, Shoulder	1
6	48-00058-05	Spacer	1
7	48-00267-00	Eccentric	1
8	34-00368-15	Washer, Lock,1/2 Spring	2
9	34-00309-12	Screw, Hex Head,1/2-20 x 1-1/2 Grade 5	1
10	–	Alternator – Refer to Section 27	1
11	34-00678-20	Screw, Cap Hex Head,1/2-13 x 2-1/2 Grade 8 (NSI)	1
12	–	Fan, Alternator (Counter Clockwise Rotation) – Refer to Section 27	1
NS	–	Spacer, Fan – Refer to Section 27	1
13	–	Pulley, Alternator – Refer to Section 27	1
14	42-01153-00	Insulation, Belt Guard – **Units Without By-Pass Oil Filter**	1
14	42-01140-00	Insulation, Belt Guard – **Units With By-Pass Oil Filter** (NSI)	1
15	34-00918-06	Screw, Machine, Hex Head,1/4-20 x 3/4 w/cap washer	4
16	86-02817-00	Guard, Belt – **Units Without By-Pass Oil Filter**	1
NS	86-04054-00	Guard, Belt – **Units With By-Pass Oil Filter**	1
17	50-00162-08	V-Belt (Notched), 32.00 lg	1
18	34-00302-10	Screw, Hex Head, 5/16-18 x 1-1/4, SAE Grade 5 (NSI)	2
19	PL	Washer, Lock, 3/8 Spring	A/R
20	PL	Washer, Plain, 3/8	A/R
21	68-11557-00	Strap, Alternator Mounting	1
22	34-00304-08	Screw, Cap Hex Head, 3/8-16 x 1 Grade 5	3
23	86-02818-00	Bracket	1
24	PL	Washer, Plain, 5/16	2
25	PL	Washer, Lock, 5/16	2
26	58-01288-01	Rivet, Ratchet	A/R
27	68-07328-00	Bracket, Alternator Mount	1

27. ALTERNATOR (BOSCH)



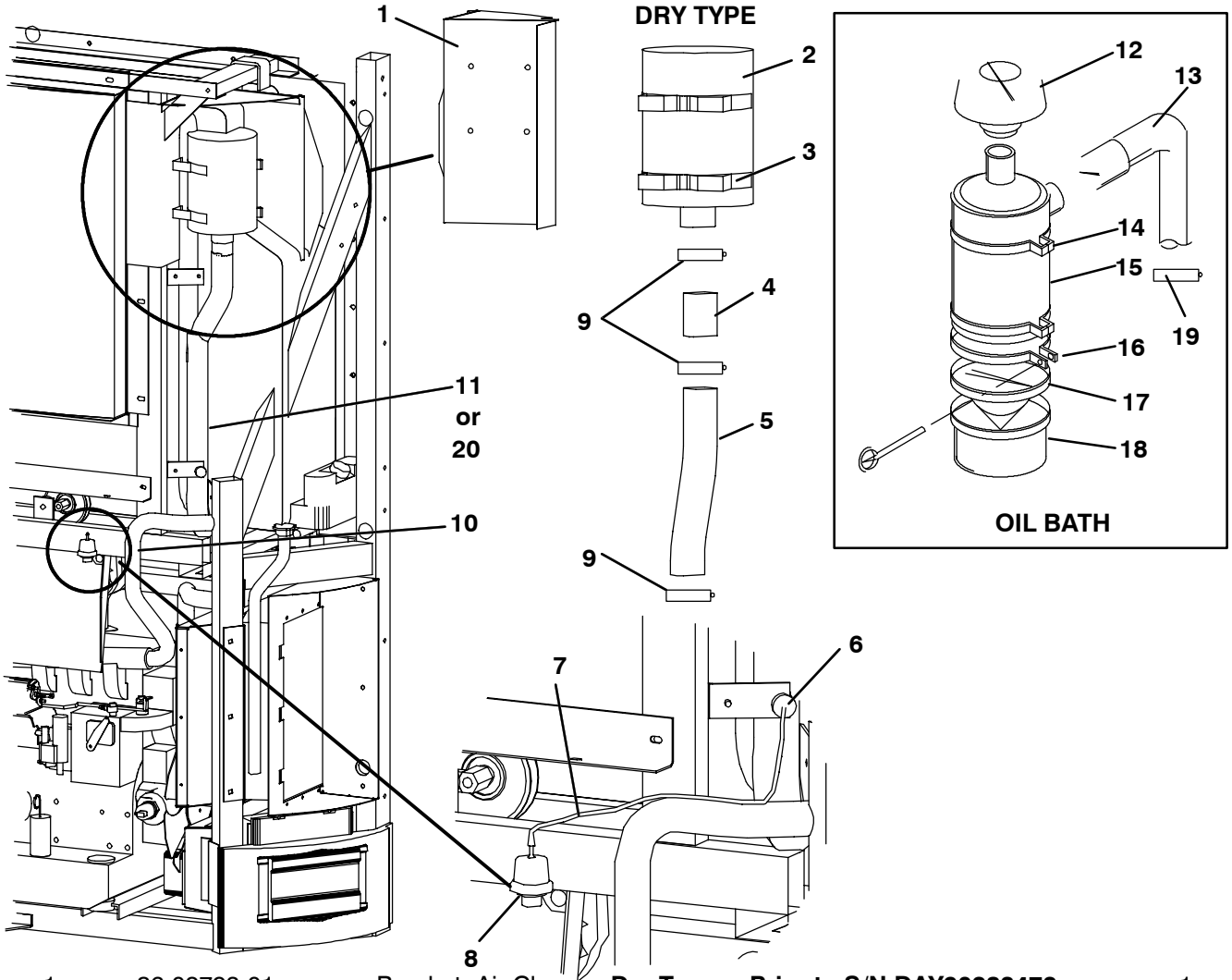
ITEM	PART NO.	DESCRIPTION	QTY
1	30-00393-00	Alternator Assembly (65 amp) (Bosch) – Includes:	
		Prior to S/N EAE90311285	1
2	30-00393-20	Housing, Front (NSI)	1
3	30-00393-32	Stator Assembly (NSI)	1
4	30-00393-28	Rectifier, Alternator	1
5	30-00393-27	Housing, Rear (NSI)	1
6	30-00393-36	Capacitor	1
7	30-00393-30	Regulator and Brush Assembly – Includes:	1
8	NSS	Brush Assembly	2
9	30-00393-35	Resistor, Assembly	1
10	30-00393-37	Clip (NSI)	1
11	30-00393-26	Bearing, Rear	1
12	30-00393-24	Rotor Assembly	1
13	30-00393-22	Plate, Support (NSI)	1
14	30-00393-21	Bearing, Front	1
15	30-00393-25	Spacer	1
16	50-01127-07	Pulley, Alternator	1
17	30-00395-01	Fan, Alternator (Counter Clockwise Rotation)	1
NS	30-00396-00	Spacer, Fan	1

28. ENGINE EXHAUST SYSTEM



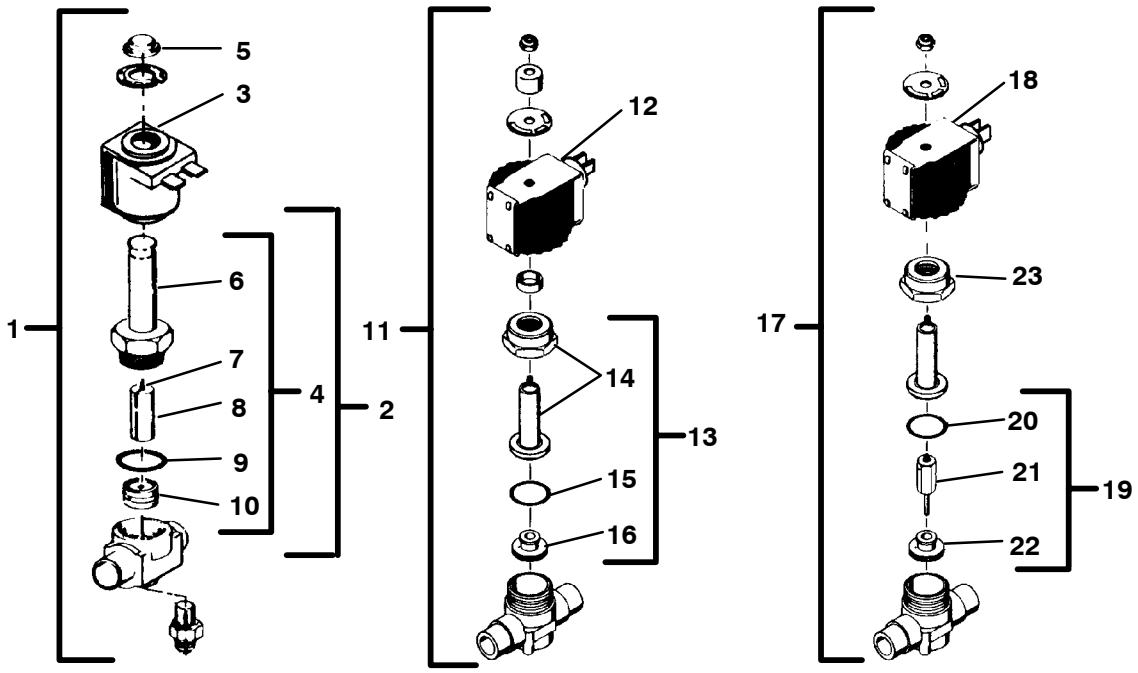
ITEM	PART NO.	DESCRIPTION	QTY
1	30-00401-00	Muffler	1
2	34-00918-06	Screw, Hex Head w/cap washer, 1/4-20 x 3/4	A/R
3	30-00175-01	Clamp, Tubing, 2 inch Dia – Includes:	1
4	PL	Nut, Hex, 5/16-18	2
5	PL	Washer, Plain, 5/16	2
6	30-00402-00	Pipe, Exhaust	1
7	30-01052-00	Clamp, Tubing, 1-3/4 Dia – Includes:	2
8	PL	Nut, Hex, 3/8-16	2
9	PL	Washer, Lock, 3/8	A/R
10	PL	Washer, Plain, 3/8	A/R
11	30-00402-01	Pipe, Exhaust	1
12	34-00932-13	Nut, Hex, 3/8-24 (Brass)	4
13	25-37238-00	Gasket, Flange	1
14	34-00964	Stud, Exhaust (Special)	2
15	68-11581-00	Heat Shield	1

29. AIR FILTER ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY
1	86-02793-01	Bracket, Air Cleaner, **Dry Type -- Prior to S/N DAY90283472**	1
1	86-04147-00	Bracket, Air Cleaner, **Dry Type -- Starting with S/N DAY90283472**	1
2	30-01077-01	Air Cleaner, **Dry Type**	1
3	79-02257-00	Clamp, Air Filter, **Dry Type**	2
4	86-04053-00	Tube Assembly, **Dry Type**	1
5	58-01298-00	Hose, Formed, Air Inlet, **Dry Type -- Prior to S/N DAY90283472**	1
5	58-04249-00	Hose, Formed, Air Inlet, **Dry Type -- Starting with S/N DAY90283472**	1
6	40-00506-00	Fitting, Push On, **Dry Type**	1
7	58-04102-00F10	Hose (10 ft cut to length)	A/R
8	30-00406-00	Indicator, Air Filter, **Dry Type**	1
9	44-00045-05	Clamp, Hose	A/R
10	58-04074-00	Hose, Formed, **Oil Bath**	1
11	86-04040-00	Tube Assembly, **Dry Type**	1
12	30-00356	Hood, Air Inlet, **Oil Bath**	1
13	58-04076-00	Hose, Formed, Air Inlet,**Oil Bath**	1
14	44-00022-02	Clamp, Air Cleaner, **Oil Bath**	2
15	30-00336	Air Cleaner, **Oil Bath --** Includes:	1
16	30-00336-20	Clamp	1
17	30-00336-22	Cup, Inner	1
18	30-00336-21	Cup, Oil	1
19	44-00045-04	Clamp, Hose, **Oil Bath**	2
20	86-04040-01	Tube Assembly, **Oil Bath** (NSI)	1
NS	86-02793-00	Bracket, Air Cleaner, **Oil Bath**	1

30. SOLENOID VALVES

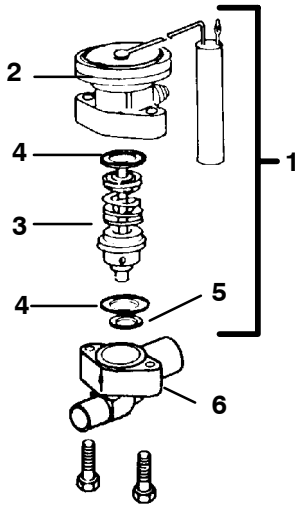


ALCO SV-2 & SV-4 **SPORLAN SV-1** **SPORLAN SV-3**

ITEM	PART NO.	DESCRIPTION	QTY
1	14-00150-14	Valve, Solenoid, with coil **(SV-2 & SV-4)** – Includes:	1
2	14-00150-13	Valve, Solenoid **(SV-2 & SV-4)**	1
3	22-02567-00	Coil (12 vdc) **(Spade Terminals)**	1
NS	22-02579-00	Coil (12 vdc) **(Plug Connection)**	1
4	16-00512-02	Kit, Repair **(SV-2 & SV-4)** – Includes:	1
5	17-40408-02	Snap Cap	1
6	NSS	Enclosing Tube	1
7	NSS	Spring	1
8	NSS	Plunger	1
9	NSS	O-Ring	1
10	NSS	Piston	1
11	14-01114-00	Valve, Solenoid **(SV-1)** – Includes:	1
12	14-00147-05	Coil (12 vdc) (spade terminals)	1
13	14-01114-50	Kit, Repair **(SV-1)** – Includes:	1
14	NSS	Enclosing Tube (with plunger)	1
15	NSS	Gasket	1
16	NSS	Seat Disc	1
17	14-01113-00	Valve, Solenoid **(SV-3)** – Includes:	1
18	14-00145-03	Coil (12 vdc) (spade terminals)	1
19	14-01113-50	Kit, Repair **(SV-3)** – Includes:	1
20	NSS	Gasket	1
21	NSS	Stem and Plunger	1
22	NSS	Seat Disc	1
23	16-00224-02	Enclosing Tube	1
NS	34-06026-00	Pin, Roll (Coil Pin)	A/R

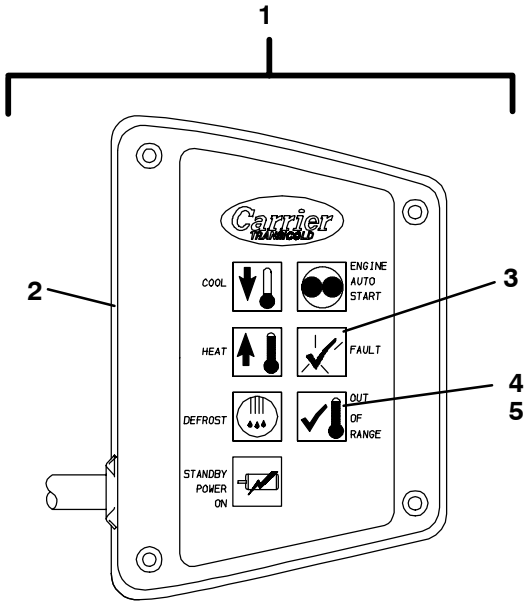
ITEM	PART NO.	DESCRIPTION	QTY

31. THERMOSTATIC EXPANSION VALVE



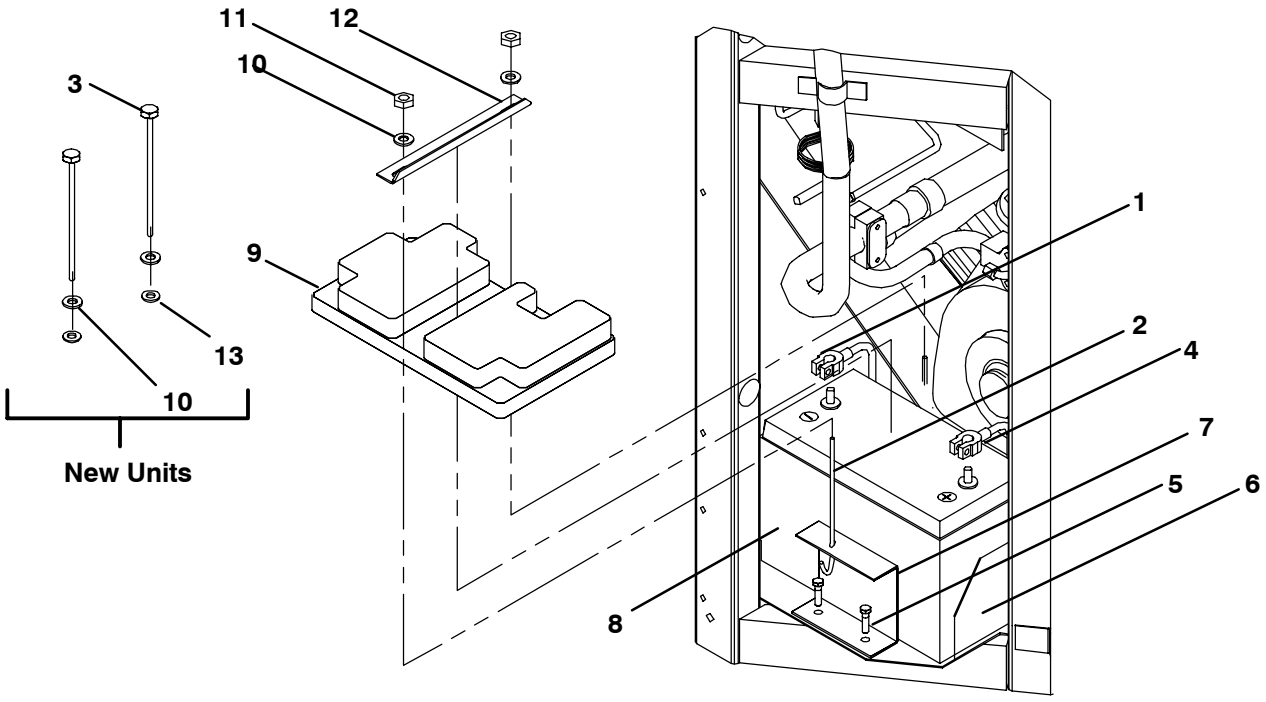
1	14-01104-04	Kit, Repair – **R-22** – Includes:	1
1	14-01095-05	Kit, Repair – **R-404A** – Includes: (NSI)	1
2	NSS	Power Head Assembly and Gaskets, Item 5	1
3	NSS	Cage Assembly and Gasket, Item 6	1
NS	66U1-6225	Gasket Set, Universal – Includes:	1
4	NSS	Gasket, Body Flange – Alco #A625	2
5	NSS	Gasket, Seat – Alco #A625	1
6	14-01094-00	Body, Valve	1

32. INDICATING LAMP BAR



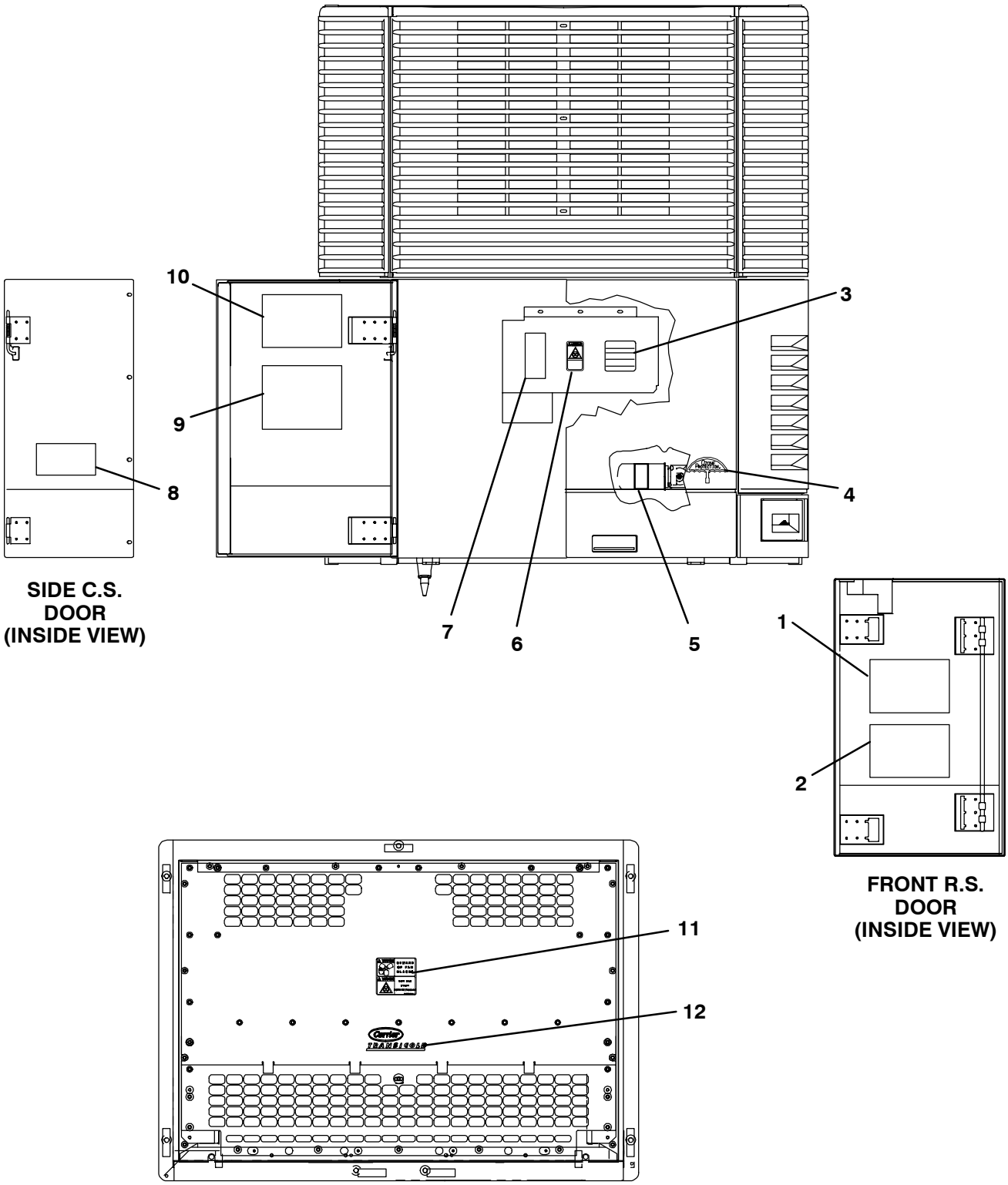
1	76-50001-01	Kit, Light Bar Assembly – Includes:	1
2	22-01465-51SV	Housing – Includes:	1
3	22-01465-50	Decal, Light Bar Face	1
4	22-01467-00	Lamp, Wedge Base	7
5	22-01468-20	Holder, Lamp	A/R
NS	68-11009-00	Bracket, Light Bar Mounting	1
NS	22-50078-04SV	Connector, Male 8 pin (mates with 22-50078-03)	1
NS	22-50078-03SV	Connector, Female 8 pin (mates with 22-50078-04)	1

33. BATTERY BOX



ITEM	PART NO.	DESCRIPTION	QTY
1	22-01633-01	Battery Cable, Negative – **Post Type**	1
1	22-01633-03	Battery Cable, Negative – **Screw Type**	1
2	34-00955-05	J-Bolt, Battery Hold-Down	2
3	34-01247-44	Screw, Cap, Hex Head, 5/16-18 x 5-1/2 lg – SST	2
4	22-01633-00	Battery Cable, Positive – **Post Type**	1
4	22-01633-02	Battery Cable, Positive – **Screw Type**	1
5	34-00918-06	Screw, Hex Head w/cap washer, 1/4-20 x 3/4	2
NS	79-02262-00SV	Tray Assembly, Battery – Includes:	1
6	NSS	Tray, Battery	1
7	68-11668-00	Bracket	1
8	PL	Battery, 12 volt	1
9	58-04103-00	Battery Cover	1
10	34-00662-12	Washer, Plain, 5/16 – SST (NSI)	2
11	PL	Nut, Self Lock, 5/16-18	2
12	68-11596-00	Channel, Battery Hold-Down	1
13	34-00663-12	Lockwasher, 5/16 – SST	2
NS	62-03364-00	Label, Corrosive (NSI)	2

34. DECALS AND WIRE HARNESSES



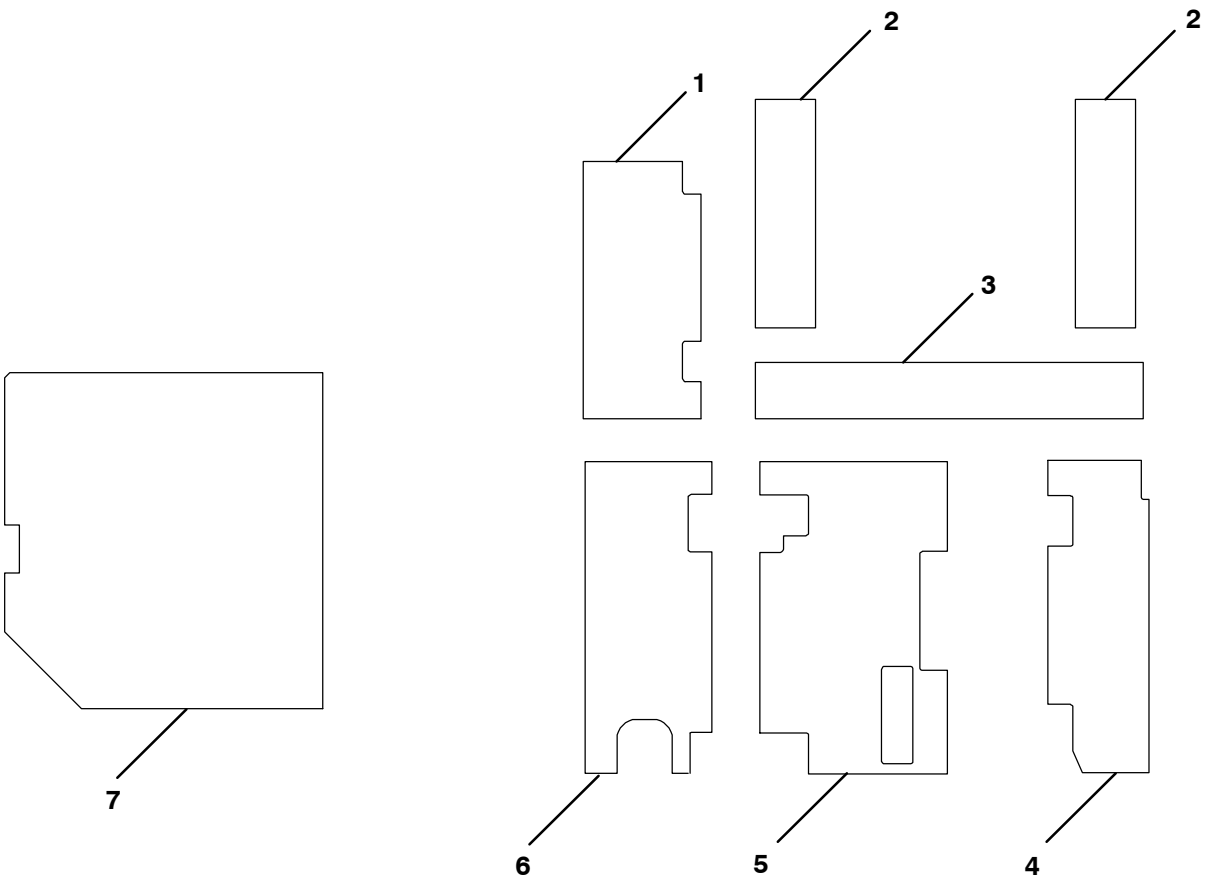
SIDE C.S. DOOR (INSIDE VIEW)

FRONT R.S. DOOR (INSIDE VIEW)

ITEM	PART NO.	DESCRIPTION	QTY
34. DECALS AND WIRE HARNESSES			
NS	22-01635-00	Harness, Unit – **Prior to S/N DAC90195287**	1
NS	22-02557-00	Harness, Unit – **S/N DAC90195287 to DAF90209292**	1
NS	22-01725-00	Harness, Unit – **Starting with S/N DAN90244293**	1
NS	22-02633-00	Harness, Unit	1
1	62-02478-06	Manual, Operating Instructions, Driver	1
2	62-02504-00	Label, Operating Instructions, Additional – **NDM-94A Domestic**	1
2	62-02501-00	Label, Operating Instructions, Additional – **NDM-94A Euro** (NSI)	1
3	62-03802-12	Label, RTF (NSI)	1
4	62-02391-00	Decal, Ozone Protection	1
5	62-01803-00	Decal, Service (NSI)	1
6	62-02146-00	Decal, Warning, Auto Start	1
7	62-02144-00	Decal, Danger, Belt Rotation	1
8	62-02139-00	Decal, Warning (NSI)	1
9	62-03919-00	Decal, Bleeding of Fuel System	1
10	62-02465-00	Decal, Belt Replacement – **NDA-94A**	1
10	62-02499-00	Decal, Belt Replacement – **NDM-94A**	1
11	62-02509-00	Decal, Warning (NSI)	1
12	62-03882-00	Decal, CTD	1
NS	62-02142-00	Decal, Caution, Radiator Fill – Located on Side of Evaporator Pod Above the Coolant Bottle (NSI)	1
NS	62-02505-00	Decal, Caution – Located on Battery Cover (NSI)	1
NS	62-02253-00	Decal, Warning, Disconnect Power – **NDM-94A** – Located Above the Relay Box (NSI)	1
NS	62-02140-00	Decal, Service Action Line	1
NS	62-03895-02	Decal, Service 24 hr ETO # – **NDM-94A Euro** (NSI)	1
NS	62-02449-00	Label, Operating Instructions, Basic – **NDM-94A Domestic** Located on Microprocessor Door (NSI)	1
NS	62-02502-00	Label, Operating Instructions, Basic – **NDM-94A Euro** Located on Microprocessor Door (NSI)	1

Schematic	Description
62-02457-00	NDA-94A – **Prior to S/N DAC90195287**
62-03885-00	NDA-94A – **S/N DAC90195287 to DAF90209263**
62-02589-00	NDA-94A – **Starting with S/N DAF90209264**
62-02620-00	NDM-94A – Domestic
62-02590-00	NDM-94A – Euro
62-02592-00	NDM-94A – 230 v 60 hz Phase Reversal
62-02685-00	NDM-94A – 200/230v Phase Reversal
62-02573-00	NDM-94A – 380 v 50 hz Phase Reversal

35. NOISE REDUCTION



ITEM	PART NO.	DESCRIPTION		QTY
1	42-00277-00	Insulation, Curb Side Door (Upper) (NSI)		1
2	42-01150-00	Insulation, Grille (NSI)		2
3	42-01151-00	Insulation, Grille (NSI)		1
4	42-01167-00	Insulation, Front Road Side Door (NSI)		1
5	42-00275-00	Insulation, Front Curb Side Door (NSI)		1
6	42-00274-02	Insulation, Curb Side Door (NSI)		1
7	42-00279-00	Insulation, Cover (Rear) (NSI)		1
NS	58-01214-00	Plug, Plastic (for Front and Side Doors)	See Note	A/R
NS	58-01288-01	Rivet, Ratchet (Plastic) (For Front and Curb Side Grille)	See Note	A/R
NS	68-11674-00	Rear Cover		1
NS	76-00653-00	Kit, Noise Reduction (Bottom Cover with insulation) – Includes:		1
NS	34-00918-06	Screw, Hex Head w/washer 1/4-20 x .75		4
NS	34-06051-06	Rivnut, 1/4-20		4
NS	42-00264-00	Seal, Black Trim (NSI)		A/R
NS	42-00280-00	Insulation, Bottom Cover (NSI)		4
NS	42-00280-01	Insulation, Bottom Cover (NSI)		1
NS	42-00280-06	Insulation, Bottom Cover (NSI)		1
NS	58-00065-09	Grommet, 1.03 ID x 1.22 OD (NSI)		1
NS	68-11673-00	Cover		1
NS	68-11675-00	Angle (NSI)		1
NS	68-11676-00	Angle (NSI)		1

Note: These parts are used to secure insulation to door or grille.

ITEM	PART NO.	DESCRIPTION	QTY
36. DATALINK			
NS	76-00669-00	Datalink Kit, **Prior to S/N DAY90283472** – Includes:	–
NS	76-00669-01	Datalink Kit, **Prior to S/N DAY90283472** – Includes:	–
NS	76-00669-10	Datalink Kit – **Starting with S/N DAY90283472** – Includes:	–
NS	12-00358-00	Module, Trailer/Truck	1
NS	22-01739-00	Harness, Datalink Jumper (NSI)	1
NS	22-01720-00	Harness, Datalink, NDA/M-9	1
NS	30-00407-02	Battery Pack	1
NS	34-00918-06	Screw, Hex Head w/washer, 1/4-20 x .75 lg	16
NS	34-06051-06	Rivnut, 1/4-20	9
NS	34-06126-08	Screw, Hex Head, #4-40 x .50 lg – SST	4
NS	34-00662-05	Washer, Plain, #4 – SST	8
NS	34-00667-05	Nut, Lock, #4-40 – SST	4
NS	44-00045-18	Clamp, Hose (2.313 – 3.25 Worm) (NSI) **-- 76-00669-00**	1
NS	44-00045-05	Clamp, Hose (2.06 – 3.00 Worm) **-- 76-00669-01**	1
NS	58-00511-115	Washer, Flat, .62 ID x 1.00 OD Nylon (NSI)	1
NS	58-04249-00	Hose, Formed, Air Inlet **-- 76-00669-00**	1
NS	58-04235-00	Hose, Formed, Air Inlet **-- 76-00669-01**	1
NS	58-04234-00	Hose, Formed, Air Inlet **-- 76-00669-01**	1
NS	62-02732-00	Label, Battery Pack (NSI)	1
NS	79-01667-00	Tether Assembly, Interrogator Cap	1
NS	86-04147-00	Bracket Assembly, Dry Type Air Cleaner (NSI)	1
NS	86-04132-00	Bracket Assembly, DataLink mounting (NSI)	1
NS	79-01668-00	Bracket Assembly, DataLink Mounting	1
NS	68-12029-00	Bracket, Interrogator, Plug	1
NS	91-00276-01	Box Assembly, Datalink (NSI)	1
37. INTERROGATOR			
NS	76-00674-00	Interrogator Kit – Includes:	1
NS	22-01737-00	Cable Assembly	1